



GOVERNMENT OF ASSAM
PROJECT MANAGEMENT UNIT (PMU)
ASSAM PROJECT ON FOREST AND BIODIVERSITY CONSERVATION SOCIETY (APFBCS)
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***Project: AFD financed Assam Project on Forest & Biodiversity
Conservation - Phase II***

**BIDDING DOCUMENT
FOR
PROCUREMENT OF GOODS
INTERNATIONAL PROCUREMENT COMPETITION**

**PROCUREMENT OF SOFTWARE AND
HARDWARE FOR ESTABLISHMENT OF GIS
LAB**

IFB No: APFBC/PMU/Phase-II/SW&HW/2024/356/15,

Dated: 21/10/2024.

Bidding Document Issued from: 23/10/2024

Government of Assam
AFD financed
Assam Project on Forest & Biodiversity Conservation- Phase II
Assam Project on Forest & Biodiversity Conservation Society (APFBCS)
Aranya Bhawan, Panjabari, Guwahati- 781037; Website: www.apfbcn.nic.in; Email: pd@apfbcn.in;

INVITATION FOR BIDS (IFB)
INTERNATIONAL PROCUREMENT COMPETITION (IPC)

IFB No. APFBC/PMU/Phase-II/SW&HW/2024/356/15, Dated Guwahati the 21st October, 2024.

Contract Title: PROCUREMENT OF SOFTWARE AND HARDWARE FOR ESTABLISHMENT OF GIS LAB.

The Assam Project on Forest and Biodiversity Conservation Society (APFBCS) has received funds from Agence Française de Développement ("AFD") towards the cost of "Assam Project on Forest and Biodiversity Conservation-Phase II". The Project Director, APFBCS invites Bids from eligible bidders for the supply of GIS Software and Hardware for the establishment of GIS Lab under the project. Hard copy of the Bidding document may be purchased in the manner specified on the website of APFBCS or the Bidding document may be downloaded free of cost from the website of APFBCS viz. www.apfbcn.nic.in from **23rd October 2024** to **21st November 2024**. Detailed IFB Notice may be seen on the website of APFBCS.

1. Last date and time of submission of Bid **21st November, 2024 (14.00 hrs-IST)**
2. Date and time of opening of Bid **21st November 2024 (14.15 hrs-IST)**

Sd/-
Project Director,
PMU, APFBC Society

INTERNATIONAL PROCUREMENT COMPETITIVE (IPC)
INVITATION FOR BID (IFB)

Date: 21st October 2024

Project Name: Assam Project on Forest and Biodiversity Conservation- Phase II.

IFB No: APFBC/PMU/Phase-II/SW&HW/2024/356/15-A

1. The Assam Project on Forest and Biodiversity Conservation Society (APFBCS) has received funds from Agence Française de Développement ("AFD") towards the cost of "Assam Project on Forest and Biodiversity Conservation- Phase II". It is intended that part of the proceeds of these funds will be applied to eligible payments under the contracts for "Procurement of Software and Hardware for the establishment of GIS Lab".
2. The Project Director, PMU, APFBCS invites sealed bid from eligible bidders in a 2 bid format(technical and financial) contained in a single envelope for the 'Procurement of Software and Hardware for the establishment of GIS Lab' ("the Goods"):

Sl.	Contract	Quantity
1	APFBC/PMU/Phase-II/SW&HW/2024/356/ Software and Hardware for the establishment of GIS Lab	1 set

3. Interested eligible Bidders may obtain further information from and inspect the Bidding Document at the office of the Project Director, PMU, APFBCS, Aranya Bhawan, Panjabari, Guwahati – 781037 (Assam), Telephone: +91-361-2733917, Email: pd@apfbcn.in ; Website: www.apfbcn.nic.in.
4. A complete set of Bidding Document may be purchased by interested Bidders on submission of a written application to the above and upon payment of a non-refundable fee of INR 3,540/- (Fee INR 3,000/- plus GST INR 540/-) only in the form of Demand Draft in favour of the "Assam Project on Forest and Biodiversity Conservation- Phase II" payable at Guwahati, Assam. Bidding Document may also be downloaded free of cost from the website of APFBCS viz. www.apfbcn.nic.in. In case the Bidding Document is downloaded from website, the non-refundable fee is **not** required.
5. The provisions in the Instructions to Bidders and in the General Conditions of Contract are the provisions of AFD's Standard Bidding Documents: Procurement of Goods.
6. Bid must be delivered to the above office on or before 14:00 Hours IST on **21st November, 2024** and must be accompanied by Bid Security of the sum as under:

Sl.	Bid Security Amount in Indian Rupees
1	INR 1 million

7. Technical Bids will be opened in the presence of Bidders' representatives who choose to attend at 14:15 Hours IST on **21st November, 2024** at the same address.
8. **Technical Qualification criteria:** Eligible bidders for AFD financed procurement, including all members of a Joint Venture, shall be from an eligible source country and shall satisfy all the qualifying criteria listed in Section III and section VII of this tender document. Please refer to above sections and **document checklist in BDS** for details of documents to be submitted. Few of these criterions are:

A) Technical:

- i) The bidder should be a supplier of software, hardware and related services for the GIS Lab deployment and set-up and must have presence in India.

B) Financial:

- i) **Annual Turnover:** Minimum average annual turnover for the last 3 years (2023-24; 2022-23 & 2021-22).

Sl.	Minimum average annual turnover for the last 3 years
1	INR 100 million

- ii) Demonstrate Current soundness of the Bidder's financial position based on the following criteria:
 - a) Average liquidity ratio for the last three (3) years ≥ 1.1 .
 - b) Positive Net Worth for last 3 Years.

C) Legal and others:

- i) **History of Non-Performing Contracts:** Termination of a contract did not occur because of Bidder's default in the past five (5) years.
- ii) **Pending Litigation:** All pending litigation shall in total not represent more than one hundred percent (100%) of the Bidder's net worth.

Sd/-
Project Director
PMU, APFBC Society

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PART 1-Bidding Procedures

Section I - Instructions to Bidders

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A. General

- 1 Scope of Bid**
- 1.1 In connection with the Invitation for Bids, **specified in the Bid Data Sheet (BDS)**, the Purchaser, **as specified in the BDS**, issues these Bidding Documents for the Procurement of Goods and Related Services incidental thereto as specified in Section VII, Schedule of Requirements. The name, identification of the contract of this International Procurement Competition (IPC) are **specified in the BDS**.
- 1.2 Throughout these Bidding Documents:
- a) The term "in writing" means communicated in written form (e.g. by mail, e-mail, fax, telex) with proof of receipt;
 - b) If the context so requires, "singular" means "plural" and vice versa; and
 - c) "Day" means calendar day.
- 2 Source of Funds**
- 2.1 The Purchaser **specified in the BDS** has applied for or received financing (hereinafter called "funds") from the Agence Française de Développement (hereinafter called "the AFD"), toward the project named **in BDS**. The Purchaser intends to apply a portion of the funds to eligible payments under the contract for which these Bidding Documents are issued.
- 3 Corrupt and Fraudulent Practices**
- 3.1 The AFD requires compliance with its policy regarding corrupt and fraudulent practices as set forth in Section VI.
- 3.2 In further pursuance of this policy, Bidders shall permit and shall cause its agents (where declared or not), sub-contractors, sub-consultants, service providers or suppliers and to permit the AFD to inspect all accounts, records and other documents relating to the submission of the application, bid submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the AFD.
- 4 Eligible Bidders**
- 4.1 A Bidder may be a firm that is a private entity, a state-owned entity- subject to ITB 4.3- or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with the intent to enter into such an agreement supported by a letter of intent. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.
- 4.2 A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:
- (a) Directly or indirectly controls, is controlled by or is under common control with another Bidder; or
 - (b) Receives or has received any direct or indirect subsidy from another Bidder; or
 - (c) Has the same legal representative as another Bidder; or
 - (d) Has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or
 - (e) Participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
 - (f) Any of its affiliates participated as a consultant in the preparation of the

design or technical specifications of the goods that are the subject of the bid; or

- (g) Any of its affiliates has been hired (or is proposed to be hired) by the Purchaser for the Contract implementation; or
- (h) Has a close business or family relationship with a professional staff of the Purchaser (or of the project implementing agency, or of a recipient of a part of the funds) who: (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or (ii) would be involved in the implementation or supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the AFD throughout the procurement process and execution of the contract.

- 4.3 The AFD's eligibility criteria to bid are described in Section V, Eligibility criteria.
- 4.4 A Bidder shall not be under suspension from bidding by the Purchaser as the result of the execution of a Bid-Securing Declaration.
- 4.5 A Bidder shall provide such evidence of eligibility satisfactory to the Purchaser, as the Purchaser shall reasonably request.

5 Eligible Goods and Related Services

- 5.1 All the Goods and Related Services to be supplied under the Contract and financed by the AFD may have their origin in any country in accordance with Section V, Eligibility Criteria.
- 5.2 For purposes of this Clause, the term "goods" includes commodities, raw material, machinery, IT and non-IT equipment, and industrial plants; and "related services" includes services such as insurance, installation, training, and maintenance.
- 5.3 The term "origin" means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

B. Contents of Bidding Documents

6 Sections of Bidding Documents

- 6.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.

PART 1: Bidding Procedures

- Section I - Instructions to Bidders (ITB)
- Section II – Bid Data Sheet (BDS)
- Section III - Evaluation and Qualification Criteria
- Section IV – Bidding Forms
- Section V – Eligibility Criteria
- Section VI - AFD Policy – Corrupt and Fraudulent Practices –Environmental and Social Responsibility

PART 2: Supply Requirements

- Section VII – Schedule of Requirements

PART 3: Conditions of Contract and Contract Forms

- Section VIII – General Conditions of Contracts (GCC)
- Section IX – Spécial Conditions of Contracts (SCC)
- Section X – Contract Forms

- 6.2 The Invitation for Bids issued by the Purchaser is not part of the Bidding Documents.
- 6.3 Unless obtained directly from the Purchaser, the Purchaser is not responsible

for the completeness of the Bidding Documents, responses to requests for clarification or Addenda to the Bidding Documents in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Purchaser shall prevail.

6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all information or documentation as is required by the Bidding Documents.

7. Clarification of Bidding Documents

7.1 A Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received and responded to during the pre-bid meeting. The Purchaser shall publish its response at the web page **identified in the BDS**. Should the clarification result in changes to the essential elements of the Bidding Documents, the Purchaser shall amend the Bidding Documents following the procedure under ITB 8 and ITB 22.2.

8. Amendment of Bidding Document

8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addenda/corrigenda.

8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents from the Purchaser in accordance with ITB 6.3. The Purchaser shall also promptly publish the addendum on the Purchaser's web page in accordance with ITB7.1.

8.3 To give Bidders reasonable time in which to take an addendum/corrigendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB 22.2.

C. Preparation of Bids

9. Cost of Bidding

9.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

10. Language of Bid

10.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the language **specified in the BDS**. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into the language **specified in the BDS**, in which case, for purposes of interpretation of the Bid, such translation shall govern.

11. Documents Comprising the Bid

11.1 The Bid shall comprise the following:

- (a) Bid submission Form and the Bidding Forms in accordance with ITB 12;
- (b) Completed schedules, in accordance with ITB 12 and 14;
- (c) Bid Security or Bid-Securing Declaration, in accordance with ITB 19.1;
- (d) Alternative bids, if permissible, in accordance with ITB 13;
- (e) Written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.2;
- (f) Statement of Integrity, Eligibility and Social and Environmental Responsibility duly signed, in accordance with ITB12;
- (g) Documentary evidence in accordance with ITB 17 establishing the Bidder's qualifications to perform the contract if its Bid is accepted.
- (h) Documentary evidence in accordance with ITB 17 establishing the Bidder's eligibility to bid;
- (i) Documentary evidence in accordance with ITB 16, that the Goods and Related Services to be supplied by the Bidder are of eligible origin;
- (j) Documentary evidence in accordance with ITB 16 and 29, that the Goods and Related Services conform to the Section VII, Schedule of

Requirements in the Bidding Documents.

(k) Any other document **required in the BDS**.

11.2 In addition to the requirements under ITB 11.1, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement.

11.3 The Bidder shall furnish in the Bid Submission Form information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.

12. Bid Submission Form, Bidding Forms and Statement of Integrity and Price Schedules

12.1 The Bid Submission Form, the Bidding Forms and the Statement of Integrity and Price Schedules shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.4. All blank spaces shall be filled in with the information requested.

13. Alternative Bids

13.1. Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

14. Bid Prices and Discounts

14.1 In the Financial bid, the prices quoted by the Bidder in the Price Schedules shall conform to the requirements specified below.

14.2 All items must be listed and priced separately in the Price Schedules.

14.3 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, **unless otherwise specified in the BDS**. A bid submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected, pursuant to ITB 29. However, if in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

14.4 If so specified in ITB 1.1, bids are being invited for individual contract, unless otherwise **specified in the BDS**, prices quoted shall correspond to 100 % of the items specified for the contract and to 100% of the quantities specified for each item of a contract.

14.5 The term CIP, DDP and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, **as specified in the BDS**.

14.6 Prices shall be quoted as specified in each Price Schedule included in Section IV, Bidding Forms. The disaggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country, in accordance with Section V, Eligibility Criteria. Similarly, the Bidder may obtain insurance services from any eligible country in accordance with Section V, Eligibility Criteria. Prices shall be entered in the following manner:

(a) For Goods manufactured in the Purchaser's Country:

(i) The price of the Goods quoted CIP named place of destination, including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods; and

(ii) Any Purchaser's Country sales tax and other taxes which will be payable on the Goods if the contract is awarded to the Bidder.

(b) For Goods manufactured outside the Purchaser's Country, to be imported:

(i) The price of the Goods, quoted CIP named place of destination, in

the Purchaser's Country, **as specified in the BDS**; and

(ii) Any Purchaser's Country sales and other taxes which will be payable on the Goods if the contract is awarded to the Bidder.

(c) For Goods manufactured outside the Purchaser's Country, already imported:

(i) The price of the Goods, quoted CIP named place of destination, excluding the custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported;

(ii) All custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported in the Purchaser's country, payable on the Goods, if the Contract is awarded to the Bidder;

(iii) Any Purchaser's Country sales and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and

(d) For Related Services specified in Section III –Evaluation and Qualification Criteria:

(i) The price of each item comprising the Related Services (exclusive of any applicable taxes);

(ii) All custom duties, sales and other taxes applicable in the Purchaser's country, payable on the Related Services, if the Contract is awarded to the Bidder.

15. Currencies of Bid and Payment

15.1 The currency(ies) of the bid and the currency(ies) of payments shall be **as specified in the BDS**. The Bidder shall quote in the currency of the Purchaser's Country the portion of the bid price that corresponds to expenditures incurred in the currency of the Purchaser's country, unless otherwise **specified in the BDS**.

16. Documents Establishing the Eligibility and Conformity of the Goods and Related Services

16.1 To establish the eligibility of the Goods and Related Services in accordance with ITB 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.

16.2 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and service standards specified in Section VII, Schedule of Requirements.

16.3 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification.

16.4 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by the Purchaser. The itemized bill of material for all items, originals as well as spares and accessories need to be included as a separate document in the financial bid and should be as detailed as possible. The Price Schedule Form, included in Section IV shall contain rates of major assemblies only.

16.5 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided, that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are

superior to those specified in the Section VII, Schedule of Requirements.

- 17. Documents Establishing the Eligibility and Qualifications of the Bidder**
- 17.1 To establish Bidder's their eligibility in accordance with ITB 4, Bidders shall complete the Bid Submission Form, included in Section IV, Bidding Forms.
- 17.2 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:
- (a) That, if **required in the BDS**, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's Country;
 - (b) That, if **required in the BDS**, in case of a Bidder not doing business within the Purchaser's Country, the Bidder is or will be (if awarded the contract) represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
 - (c) That the Bidder meets each of the technical qualification criterion specified in Section III, Evaluation and Qualification Criteria.
- 18. Period of Validity of Bids**
- 18.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Purchaser in accordance with ITB 22.1. A bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.
- 18.2 If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be determined as follows:
- (a) In the case of fixed price contracts, the Contract price shall be the bid price adjusted by the factor **specified in the BDS**;
 - (b) In the case of adjustable price contracts, no adjustment shall be made;
 - (c) In any case, bid evaluation shall be based on the bid price without taking into consideration the applicable correction from those indicated above.
- 19. Bid Security**
- 19.1 The Bidder shall furnish as part of its bid, either a Bid-Securing Declaration or a bid security, as **specified in the BDS**, in original form and, in the case of a bid security, in the amount and currency **specified in the BDS**.
- 19.2 A Bid Securing Declaration shall use the form included in Section IV, Bidding Forms.
- 19.3 If a bid security is specified pursuant to ITB 19.1, the bid security shall be a demand guarantee in any of the following forms at the Bidder's option:
- (a) An unconditional guarantee issued by a bank or financial institution (such as an insurance, bonding or surety company);
 - (b) An irrevocable letter of credit;
 - (c) A cashier's or certified check; or
 - (d) Another security **specified in the BDS**;
- from a reputable source from an eligible country as specified in Section V, Eligibility Criteria. If the unconditional guarantee is issued by a financial institution located outside the Purchaser's Country, the issuing financial institution shall have a correspondent financial institution located in the Purchaser's Country to make it enforceable. In the case of a bank guarantee, the bid security shall be submitted either using the Bid Security Form included in Section IV, Bidding Forms, or in another substantially similar format approved by the Purchaser prior to bid submission. The bid security shall be valid for twenty-eight (28) days beyond the original validity period of the bid, or beyond any period of extension if requested under ITB 18.2.
- 19.4 If a Bid Security is specified pursuant to ITB 19.1, any bid not accompanied by a

substantially responsive Bid Security or Bid-Securing Declaration shall be rejected by the Purchaser as non-responsive.

- 19.5 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the contract and furnishing the Performance Security pursuant to ITB 42.
- 19.6 The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the contract and furnished the required performance security.
- 19.7 The Bid Security may be forfeited, or the Bid Securing Declaration executed:
- (a) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, or any extension thereto provided by the Bidder; or
 - (b) If the successful Bidder fails to:
 - (i) Sign the Contract in accordance with ITB41; or
 - (ii) Furnish a performance security in accordance with ITB 42.
- 19.8 The Bid Security or Bid- Securing Declaration of a JV must be in the name of the JV that submits the bid. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, the Bid Security or Bid-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITB 4.1 and ITB 11.2.
- 19.9 If a bid security is **not required in the BDS**, pursuant to ITB 19.1, and:
- (a) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, or any extension thereto provided by the Bidder; or
 - (b) If the successful Bidder fails to: sign the Contract in accordance with ITB 41; or furnish a performance security in accordance with ITB 42;
- the Purchaser may, **if provided for in the BDS**, declare the Bidder ineligible to be awarded a contract by the Purchaser for a period of time **as stated in the BDS**.

20. Format and Signing of Bid

- 20.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB 11 and clearly mark it "ORIGINAL." Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked "ALTERNATIVE." In addition, the Bidder shall submit copies of the bid, in the number **specified in the BDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 20.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation **as specified in the BDS** and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid where entries or amendments have been made shall be signed or initialed by the person signing the bid.
- 20.3 In case the Bidder is a JV, the Bid shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, then the Bid shall be signed by every member of the proposed JV.
- 20.4 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.

D. Submission and Opening of Bids

21. Sealing and Marking of Bids

- 21.1 The bidder shall submit two inner sealed envelopes namely, technical bid envelope and financial bid envelope inside a main sealed envelope. This will form a complete

bid.

- 21.2 The financial bid envelope shall contain price schedule forms included in Section IV, Bidding forms. Itemized bill of materials as required in ITB 16.4 shall also form part of the financial bid envelope.
- 21.3 The technical bid envelope shall contain all the forms of Section IV (Bidding forms) except the price schedule forms. It shall also contain forms related to technical qualification Criteria (Section III), and Schedule of Requirements (Section VII). Any other technical information required in the tender document shall also be included in technical bid envelope.
- 21.4 The Bidder shall enclose the original and all copies of the bid, including alternative bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL", "ALTERNATIVE" and "COPY". These envelopes containing the original and the copies shall then be enclosed in one single envelope.
- 21.5 The main envelope as well as inner envelopes shall:
- (a) Bear the name and address of the Bidder;
 - (b) Be addressed to the Purchaser in accordance with ITB 22.1;
 - (c) Bear the specific identification of this bidding process indicated in ITB 1.1, inner envelopes should also mention the type of the bid (technical or financial).
- 21.6 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

22. Deadline for Submission of Bids

- 22.1 Bids must be received by the Purchaser at the address and no later than the date and time **specified in the BDS. When so specified in the BDS**, bidders shall have the option of submitting their bids electronically. Bidders submitting bids electronically shall follow the electronic bid submission procedures **specified in the BDS**.
- 22.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

23. Late Bids

- 23.1. The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB 22. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

24. Withdrawal, Substitution, and Modification of Bids

- 24.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITB 20.2. The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
- (a) Prepared and submitted in accordance with ITB 20 and 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION"; and
 - (b) Received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB 22.
- 24.2 Bids requested to be withdrawn in accordance with ITB 24.1 shall be returned unopened to the Bidders.
- 24.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

25. Bid Opening

- 25.1 Except as in the cases specified in ITB 23 and 24, the Purchaser shall open the main envelope and read out in accordance with ITB 25 all bids received by the

deadline (regardless of the number of bids received), at the date, time and place **specified in the BDS** in the presence of Bidders' designated representatives. Any specific electronic bid opening procedures required if electronic bidding is permitted, in accordance with ITB 22.1, shall be as **specified in the BDS**.

- 25.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at bid opening. Only bids that are opened and read out at Bid opening shall be considered further.
- 25.3 Technical envelopes contained in the main envelopes shall then be opened one at a time, reading out: the name of the Bidder and whether there is a modification if applicable, including any alternative bids; the presence or absence of a Bid Security and other forms. Only alternative bids read out at Bid opening shall be considered for evaluation. The Bid Submission Form is to be initialed by a minimum of three representatives of the Purchaser attending bid opening. The Purchaser shall neither discuss the merits of any bid nor reject any bid (except for late bids, in accordance with ITB 23.1).
- 25.4 The Purchaser shall prepare a record of the bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; including alternative bids; and the presence or absence of a Bid Security and other envelopes. The Bidders' representatives who are present shall be requested to sign an attendance sheet to be attached with the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to the bidders at a later stage. Financial Bid envelopes will not be opened at this stage.

E. Evaluation and Comparison of Bids

26. Confidentiality

- 26.1 Information relating to the examination, evaluation, and comparison of the bids, and qualification of the Bidders and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with the bidding process until information on Contract Award is communicated to all Bidders in accordance with ITB 40.
- 26.2 Any attempt by a Bidder to influence the Purchaser in the examination, evaluation, and comparison of the bids, and qualification of the bidders, or contract award decisions may result in the rejection of its Bid.
- 26.3 Notwithstanding ITB 26.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it shall do so in writing.

27. Clarification of Bids

- 27.1 To assist in the examination, evaluation, comparison of the bids, and qualification of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid, given a reasonable time for a response. Any clarification submitted by a Bidder that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change, including any voluntary increase or

decrease, in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB 31.

27.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Purchaser's request for clarification, its Bid may be rejected.

**28. Deviations,
Reservations,
and Omissions**

28.1 During the evaluation of bids, the following definitions apply:

(a) "Deviation" is a departure from the requirements specified in the Bidding Documents;

(b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and

(c) "Omission" is the failure to submit part, or all of the information or documentation required in the Bidding Documents.

**29. Determination of
Responsiveness**

29.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB 11 (**Refer BDS for checklist**).

29.2 A substantially responsive Bid is one that meets the requirements of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:

(a) If accepted, would:

(i) Affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or

(ii) Limit in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the proposed Contract; or

(b) If rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

29.3 The Purchaser shall examine the technical aspects of the bid submitted in accordance with ITB 16, in particular, to confirm that all requirements of Section VII, Schedule of Requirements have been met without any material deviation or reservation, or omission

29.4 If a bid is not substantially responsive to the requirements of the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

**30. Nonconformities,
Errors and
Omissions**

30.1 Provided that a Bid is substantially responsive, the Purchaser may waive any nonmaterial nonconformities in the Bid.

30.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

30.3 Provided that a bid is substantially responsive, the Purchaser shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component.

- 31. Correction of Arithmetical Errors**
- 31.1 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:
- (a) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
 - (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 31.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 31.1 shall result in the rejection of the Bid.
- 32. Conversion to Single Currency**
- 32.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted in a single currency as **specified in the BDS**.
- 33. Margin of Preference**
- 33.1 **Unless otherwise specified in the BDS**, a margin of preference shall not apply.
- 34. Evaluation of Financial Bids**
- 34.1 The financial bids for substantially responsive bids shall be opened at a date, time, and place determined by the purchaser. The purchaser shall inform all the substantially responsive bidders of such a date beforehand. The financial bid envelopes shall be opened one at a time, reading out the name of such Bidder and the total Bid Prices per lot (contract), if applicable, including any discounts. The Price Schedules are to be initialed by a minimum of three representatives of the Purchaser attending bid opening. The Purchaser shall prepare a record that shall include the name of such Bidders and the Bid Price, per lot (contract) if applicable, including any discounts. The Bidders' representatives who are present may be requested to sign the record. A copy of the record may be distributed to these Bidders later. The Purchaser shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.
- 34.2 For Financial evaluation of substantially responsive Bids, the Purchaser shall consider the following:
- (a) The Total Bid Price as quoted in accordance with clause 14 in the Price Schedule Form.
 - (b) Price adjustment for correction of arithmetic errors in accordance with ITB 31.1;
 - (c) Price adjustment due to discounts offered;
 - (d) Price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 30.3;
 - (e) Converting the amount resulting from applying (a) to (d) above, if relevant, to a single currency in accordance with ITB 32;
 - (f) The additional evaluation factors as specified in Financial Bid Evaluation under Section III, Evaluation and Qualification Criteria.
- 34.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.
- 34.4 If these Bidding Documents allows Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated price of the lot (contract) combinations, including any discounts offered in the Bid Submission Form, is specified in Section III, Evaluation and Qualification

Criteria

- 34.5 The Purchaser's evaluation of a bid will exclude and not take into account:
- (a) In the case of Goods manufactured in the Purchaser's Country, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
 - (b) In the case of Goods manufactured outside the Purchaser's Country, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Bidder;
 - (c) In the case of Non-Consulting Services and Related Services, customs duties and sales and other similar taxes that will be payable on the Non-Consulting Services and Related Services if the contract is awarded to the Bidder;
 - (d) Any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
- 34.6 If the bid, which results in the lowest Evaluated Bid Price, is significantly lower than the Purchaser's estimate, the Purchaser shall require the Bidder to produce detailed price analyses for any or all items of the Price Schedules, to demonstrate the internal consistency of those prices with the supply requirements and the method and schedule proposed. If one or several inconsistencies are evidenced, the bid shall be declared non-compliant and rejected.
- 35. Comparison of Bids** 35.1 The Purchaser shall compare the evaluated prices of all substantially responsive bids established in accordance with ITB 34.2 to determine the lowest evaluated bid.
- 36. Post Qualification of the Bidder** 36.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid meets the qualifying criteria in detail as mentioned in Section III, Evaluation and Qualification Criteria.
- 36.2 The determination shall be based upon an examination of the original documents, which may be substantiated by additional evidence as and when required by the purchaser as an indisputable proof of the Bidder's qualifications, pursuant to ITB 17.2.
- 36.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser may proceed to the next lowest evaluated bid to make a similar determination of that Bidder's post-qualifications, if any, to perform satisfactorily.
- 37. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids** 37.1 The Purchaser reserves the right to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.
- F. Award of Contract**
- 38. Award Criteria** 38.1 Subject to ITB 37.1, the Purchaser shall award the Contract to the Bidder whose bid has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
- 39. Purchaser's Right to Vary Quantities at Time of Award** 39.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VII, Schedule of Requirements, provided this does not exceed the percentages **specified in the BDS**, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
- 40. Notification of Award** 40.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification

letter (hereinafter and in the Conditions of Contract and Contract Forms called the "Letter of Acceptance") shall specify the sum that the Purchaser will pay the Supplier in consideration of the supply of Goods (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price"). At the same time, the Purchaser shall also notify all other Bidders of the results of the bidding.

40.2 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.

40.3 The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance with ITB 40.1, requests in writing the grounds on which its bid was not selected.

41. Signing of Contract

41.1 Promptly after notification, the Purchaser shall send the successful Bidder the Contract Agreement.

41.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.

41.3 Notwithstanding ITB 41.2 above, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, to the country of the Purchaser, or to the use of the products/goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those products/goods, systems or services, the Bidder shall not be bound by its bid, always provided however, that the Bidder can demonstrate to the satisfaction of the Purchaser and of the AFD that signing of the Contract Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract.

42. Performance Security

42.1 Within twenty-eight (28) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section X, Contract Forms, or another Form acceptable to the Purchaser. If the Performance Security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Purchaser. A foreign institution providing a bond shall have a correspondent financial institution located in the Purchaser's Country.

42.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose bid is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

Section II-Bid Data Sheet (BDS)

A. Introduction	
ITB 1.1	The number of the Invitation for Bids is: APFBC/PMU/Phase-II/SW&HW/2024/356/15
ITB 1.1	The Purchaser is: Assam Project on Forest and Biodiversity Conservation Society (APFBCS), represented by the Project Director, PMU, APFBCS.
ITB 1.1	The name and identification number of the IPC is: Procurement of Software and Hardware for the establishment of GIS Lab. The identification number of the IPC is: APFBC/PMU/Phase-II/SW&HW/2024/356/15 The number and identification of the contract comprising this IPC is: APFBC/PMU/Phase-II/SW&HW/2024/356/Software and Hardware for the establishment of GIS Lab
ITB 2.1	<i>The name of the Project is: Assam Project on Forest and Biodiversity Conservation- Phase II.</i>
ITB 4.1	Maximum number of members in the JV shall be: Not Allowed
B. Bidding Documents	
ITB 7.1	Clarifications may be requested no later than 11th November 2024 until 5:00 PM. The contact information for requesting clarifications is: Attention: Project Director, PMU, APFBC Society Address: Aranya Bhawan, Panjabari, Guwahati - 781037 (Assam) Telephone: +91-361-2733917. Electronic mail address: pd@apfbc.in .
ITB 7.1	Web page: Assam Project on Forest and Biodiversity Conservation (www.apfbc.nic.in)
ITB 7.1	A Pre-Bid meeting shall take place at the following date, time and place: Date: 5th November, 2024. Time: 11:30 Hours IST Place: Aranya Bhawan, Panjabari, Guwahati - 781037 (Assam).
C. Preparation of Bids	
ITB 10.1	The language of the Bid is: English All correspondence exchange shall be in the English language. Language for translation of supporting documents and printed literature is English.
ITB 11.1(k)	The Bidder shall submit with its Bid the following documents: Refer document checklist below for a list of documents.
ITB 13.1	Alternative Bids shall not be permitted.
ITB 14.5	The prices quoted by the Bidder shall be: Fixed
ITB 14.7	The Incoterms edition is Incoterms 2010. However, the definition of the place and date associated with “delivery” is modified as follows: <i>(a)</i> Under “CIP” Incoterms defines “delivery” as the place and date where risk transfers from the seller to the buyer/purchaser; <i>(b)</i> In these Bidding Documents, when using “CIP” and not referring to the transfer of risk, the term “delivery” shall be interpreted as the date and place where the Goods and Related Services arrive at the <u>named place of destination</u> , and this date should be reflected in the Delivery and Completion Schedule.
ITB 14.8 (b) (i)	Named Place of Destination: Guwahati
ITB 15.1	The prices shall be quoted by the bidder in: Indian Rupees(INR) The Bidder is required to quote in the currency of the Purchaser’s Country the portion of the bid price that corresponds to expenditures incurred in that currency.
ITB 16.2	Service Standards: The period of time for repair or replacement shall be: Minor Repair - < 2 days Major Repair - < 10 days Replacement of hardware/devices/furniture - < 15 days
ITB 17.2 (a)	Manufacturer’s authorization is: Required.
ITB 17.2 (b)	After sales service is: Required
ITB 18.1	The Bid Validity Period shall be 120 days.
ITB 18.3(a)	The Bid Price shall be adjusted as will be indicated in the request for Bid validity extension.

ITB 19.1	A Bid Security shall be required. A Bid-Securing Declaration shall not be required. The amount and currency of the Bid security shall be: INR 1.0Million
ITB 19.3(d)	Other types of acceptable securities: None
ITB 19.9	- Deleted -
ITB 20.1	In addition to the original of the Bid, the number of copies is: one (1) paper copy and one (1) digital copy (technical bid only) (.pdf in a pen-drive).
ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: Power of Attorney established in the name of the signatory of the Bid
D. Submission and Opening of Bids	
ITB 22.1	For Bid submission purposes only, the Employer's address is: Attention: Project Director, PMU, APFBC Society Address: Aranya Bhawan, Panjabari, Guwahati - 781037 (Assam) The deadline for Bid submission is: Date: 21st November 2024. Time: 14:00 Hours IST Bidders shall not have the option of submitting their Bids electronically.
ITB 25.1	The Bid opening shall take place at: Address: Aranya Bhawan, Panjabari, Guwahati - 781037 (Assam) Date: 21st November 2024. Time: 14:15 Hours IST No minimum number of Bids is required in order to proceed to Bid opening.
E. Evaluation and Comparison of Bids	
ITB 29.1	A substantially responsive bid shall conform to all the requirements of technical bid as mentioned in checklist below
ITB 32.1	The currency that shall be used for Bid evaluation and comparison purposes to convert all Bid price(s) expressed in various currencies into a single currency is: Indian Rupee (INR) The source of exchange rate shall be: Reserve Bank of India The date for the exchange rate shall be seven (7) days prior to the date of deadline for Bid submission.
ITB 33.1	A margin of preference shall not apply If a margin of preference applies, the application methodology shall be defined in Section III - Evaluation and Qualification Criteria.
ITB 34.2	Contract Evaluation: Least price shall be the sole determining criteria for the allotment of contract amongst substantially responsive bids. If a price schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. An item not listed in the price schedule shall be assumed to be not included in the bid, and provided that the bid is substantially responsive, the highest price of the item quoted by substantially responsive bidders will be added to the bid price and the equivalent total cost of the bid so determined will be used for price comparison.
ITB 35.2	Evaluation of substantially responsive bids will be done on the basis of prices excluding GST.
ITB 35.4	Financial letter of bid.
F. Award of Contract	
ITB 39.1	The maximum percentage by which quantities may be increased/ decreased is: 15%
ITB 40.1	The publication of the contract award information will be published on www.apfbc.nic.in The publication will be done within 15 days after the contract signing.

Document Checklist:

The Bid Envelope with the name of the authorized representative, who shall be present at the time of technical bid opening, written on top of the envelope shall comprise of the following documents in the order:

- (a) Technical Bid Envelope with the **no. of total pages written on top of the envelope** shall contain the following documents, **strictly in the order mentioned below with pages numbered serially**:
- i. Bid submission Form and appendix to bid submission form (format as given on pages 30-33 of this document).
 - ii. Bidder Information Form ELI 1.1 along with certificate of Incorporation/Registration/Partnership deed (format as given on page 34).
 - iii. Bid Security by bidder strictly in accordance with ITB 19.1 (BG format given on page 47 may be used).
 - iv. Written confirmation authorizing the signatory of the Bidder to commit the Bid on a Non-judicial stamp paper of Rs. One Hundred only or on a duly notarized document.
 - v. Historical Contract Non-Performance, Pending Litigation and Litigation History Form CON-2 (format as given on pages 35 and 36).
 - vi. CA certified Financial Situation and Performance Forms FIN3.1 and FIN 3.2 (mandatory format as given on pages 37 and 38, no other document will be accepted at this stage).
 - vii. Experience Requirement form EXP 4.1 and attachments mentioned therein (mandatory format, attachments and contact persons mentioned on page 39)
 - viii. Other Mandatory Documents confirming to technical qualification (given in Section III, Other technical qualifications):
 1. ISO 9001:2015 certification for Quality Management System
 2. Self-Certification from Manufacturer/Supplier mentioning that bidder has after sales services facilities in operation for at least 3 years for the Goods offered in the Bid.
 - ix. Mandatory Documents confirming to technical qualification (Section VII, Schedule of Requirements):
 1. Documentary evidence confirming Schedule of Requirements (Section VII): Technical Specification Compliance Sheet (on pages 82 and 83) to be filled with declaration signed and sealed by authorized representative of the bidder.
 2. The documents relating to the make/model/manpower CVs proposed to be supplied confirming the specifications mentioned in Schedule VII must be included for each item.
 3. Filled Compliance sheets for software mentioned at S. No. 1-3 under Technical specifications (pages 59 -72).
 - x. Filled Manufacturer Authorization forms (as per the format given on page 49) for GIS software (mandatory) and 3-years suppliers warranty for other major hardware items.
- (b) Financial Bid Envelope with **no. of total pages written on top of the envelope** shall contain the documents **strictly in the order mentioned below with pages numbered serially**:
- i. Price Schedule Forms in Section IV (Mandatory pages 40-46)
 - ii. Detailed itemized Bill of quantities showing comprehensive detailed breakup of rates quoted in price schedule form (Wherever required by the bid document).

Pls Note:

1. **Only the above documents signed and sealed by the authorized signatory in the required formats should be provided. In event of not providing or providing any other format or providing with change in the original content of the forms or no signature/seal on forms, the forms will not be accepted and the bid shall get rejected. For the sake of ease of evaluation, no additional documents should be submitted at this stage. Details may be asked at any time later, if required.**
2. **The authorized signatory or any other representative of the bidder (supported by the authorization letter issued by the bidder) shall be present at the time of both bid openings (technical as well as financial). If none of the bidder representatives is present, then the bid may be rejected and may not be opened.**
3. **Any deviations from the above mandatory requirements of no. of pages and names of representatives to be mentioned on envelopes, serially numbered pages and order of documents may lead to not opening of the bid and hence rejection of the bid.**
4. **No extra documents should be supplied other than what is asked for, a clear confirmation of the above-mentioned requirements is expected by the evaluation committee. Any document which puts the burden of finding the information on the evaluation committee will not be accepted.**
5. **1 Original Bid + 1 Paper Copy of Technical Bid + 1 digital copy of Technical Bid (.pdf in pendrive) shall be submitted mandatorily.**

Section III -Evaluation and Qualification Criteria

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser may use to evaluate a bid and determine whether a Bidder has the required qualifications. No other criteria shall be used.

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1 Evaluation

1.1 Evaluation Criteria

The Purchaser's evaluation of Bids for Goods may take into account, in addition to the Bid Price quoted in the price schedules, one or more of the following factors as specified in ITB Sub-Clause 34.2 (f), using the following criteria and methodologies.

- a) **Product evaluation:** The qualifying bidder must be in conformity with the specification of the items as mentioned in the section VII of the bid document to be substantially responsive.
- b) **Delivery Schedule:** The Goods/items specified in the List of Goods are required to be delivered within the acceptable time range (after the earliest and before the final date, both dates inclusive) specified in Section VII, Delivery Schedule. No credit will be given to deliveries before the earliest date, and bids offering delivery after the final date shall be treated as non-responsive. Within this acceptable period, an adjustment will be added, for evaluation purposes only, to the bid price of bids offering deliveries later than the "Earliest Delivery Date" specified in Section VII, Schedule of Requirements – Delivery Schedule as follows: *[0.5% of the bid price per week]*.
- c) **Operating and/or Maintenance Costs:** The price for the applicable AMC/CMC/Manpower Deployment Service shall be included in the "Price and Completion Schedule - Related Services". The scope of AMC and CMC is defined in the schedule and price shall be quoted item wise.

The Purchaser shall:

- (a) Evaluate only bids that include at least the percentages of items and quantity per item as specified in ITB Sub Clause 14.6;
- (b) Take into account:
 - (i) The lowest-evaluated substantially responsive bid; and
 - (ii) Least price shall be the sole determining criteria for the allotment of contract amongst substantially responsive bids. If a price schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. An item not listed in the price schedule shall be assumed to be not included in the bid, and provided that the bid is substantially responsive, the highest price of the item quoted by substantially responsive bidders will be added to the bid price and the equivalent total cost of the bid so determined will be used for price comparison.

2 Technical Qualification Criteria

Following criteria shall be fulfilled by the Bidder:

Technical Qualification Criteria

1. Eligibility						
Criterion	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
			All Parties Combined	Each Member	One Member	
1.1 Nationality	Nationality in accordance with ITB 4.3	Must meet requirement	N/A	N/A	N/A	Forms ELI-1.1 with attachments
1.2 Conflict of Interest	No conflicts of interest in accordance with ITB 4.2	Must meet requirement	N/A	N/A	N/A	Bid Submission Form
1.3 AFD Eligibility	Not being ineligible to AFD financing, as described in ITB 4.3	Must meet requirement	N/A	N/A	N/A	Statement of Integrity (appendix to Letter of Bid)
1.4 State-Owned Entity	Meet conditions of ITB 4.3	Must meet requirement	N/A	N/A	N/A	Forms ELI-1.1 with attachments

2. Historical Contract Non-Performance

Criterion	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
			All Parties Combined	Each Member	One Member	
2.1 History of Non-Performing Contracts	Termination of a contract ¹ did not occur as a result of Bidder's default in the past five (5) years.	Must meet requirement ² .	N/A	N/A	N/A	Form CON-2
2.2 Suspension Based on Execution of Bid Securing Declaration by the Purchaser or withdrawal of the Bid within Bid validity	Not under suspension based on execution of a Bid Securing Declaration pursuant to ITB 4.4 or withdrawal of a Bid pursuant ITB 19.9.	Must meet requirement	N/A	N/A	N/A	Bid Submission Form
2.3 Pending Litigation	All pending litigation shall in total not represent more than one hundred percent (100%) of the Bidder's net worth and shall be treated as resolved against the Bidder.	Must meet requirement	N/A	N/A	N/A	Form CON-2

¹Non-performance shall include all terminations of contracts where (a) non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Non-performance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism.

²This requirement also applies to contracts executed by the Bidder as JV member.

3. Financial Situation and Performance

Criterion	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
			All Parties Combined	Each Member	One Member	
3.1 Financial Capabilities	<p>Submission of audited balance sheets or if not required by the law of the Bidder's country, other financial statements acceptable to the Purchaser, for the last three (3) years (2023-24, 2022-23, 2021-22) to demonstrate the current soundness of the Bidder's financial position based on the following criteria:</p> <p>a) Average liquidity ratio for the last three (3) years \geq 1.1 (Current assets / Current liabilities \geq 1.1);</p> <p>b) Positive Net Worth for last three years</p>	Must meet requirement	N/A	N/A	N/A	Form FIN-3.1, with attachments
3.2 Minimum Annual Turnover from supply of goods	<p>Minimum average annual turnover for the last 3 years(2023-24; 2022-23 & 2021-22) calculated from total certified payments received for contracts in progress or completed during last 3 years/3:</p> <p>INR 100 million (10 crores)</p>	Must meet requirement	N/A	N/A	N/A	Form FIN-3.2

4. Experience

Criterion	Requirements	Single Entity	Joint Venture (existing or intended)			Submission Requirements
			All Parties Combined	Each Member	One Member	
4.1 Similar Experience	<p>(i) The bidder should demonstrate relevant experience of GIS Lab deployment and set-up as prime supplier or JV member¹ of similar enterprise/desktop software and hardware as mentioned in Section VII, Schedule of Requirements. The bidder should also demonstrate experience in integration of GIS hardware and software, providing training and support services, geospatial manpower services and should have proficiency in GIS customization, development and cloud-based GIS system operation.</p> <p>(ii) A minimum number of similar contracts highlighting clearly the scope as mentioned above that have been satisfactorily and substantially completed³ as prime Supplier, or joint venture member, between 1st April 2019 and bid submission deadline: Up to 3 contracts demonstrating the scope mentioned above cumulatively² with a minimum combined total value of INR 50 million</p> <p>(iii) Valid ISO 9001:2015 certifications for Quality Management System.</p>	Must meet requirement	N/A	N/A	N/A	<ul style="list-style-type: none"> • Form EXP-4.1 along with annexures mentioned therein, strictly as per format. • Self-attested copy of a valid ISO 9001:2015 certificate
4.2 After Sales Service	Availability at the bid submission date in the Purchaser's Country of spare parts and after sales services facilities in operation for at least 3 years for the Goods offered in the Bid.	Must meet requirement	N/A	N/A	N/A	Self-Declaration by the Manufacturer/ Supplier

1. For contracts under which the Bidder participated as a joint venture member, only the Bidder's share, by value, and role and responsibilities shall be considered to meet this requirement.
2. Cumulative scope would mean that the total desired scope can be shown by adding up scope from up to 3 different projects. However, monetary value should also add up to minimum 5 crores.
3. Substantially completed means the contracts whose Supply, Installation and Commissioning has been successfully completed and the Operation and Maintenance is going on.

Section IV –Bidding Forms

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Bid Submission Form

[The Bidder shall prepare his Bid Submission Form on a Letterhead paper specifying his name and address]

Date: _____

IPC No.: _____

Invitation for Bid No.: _____

Alternative No.: _____

To: Project Director, PMU, APFBC Society
Aranya Bhawan, Panjabari, Guwahati – 781037 (Assam)

We, the undersigned, declare that:

- a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB 8);
- b) We have no conflict of interest in accordance with ITB 4.2;
- c) We have not been suspended nor declared ineligible by the Employer based on execution of a Bid Securing Declaration in the Employer's country in accordance with ITB 4.4;
- d) We satisfy all the technical criteria mentioned in the Section III to the best of our knowledge and ability and have submitted all the mandatory supporting documents as a part of technical bid.
- e) We offer to supply in conformity with the technical specifications mentioned in Section VII. All the mandatory software compliance sheets, technical specification compliance sheet and specification sheets confirming the required hardware and software as required under Section VII have been included as part of technical bid submitted by us.

We are bidding for the following:

APFBC/PMU/Phase-II/SW&HW/2024/356/ Software and Hardware for the establishment of GIS Lab

- f) We have submitted the financial bid in a separate envelope, and we understand that the financial bid envelope shall be opened by the purchaser only if our bid is found to be substantially responsive.
- g) Our Bid shall be valid for a period of 120 days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- h) If our Bid is accepted, we commit to obtain a performance security in accordance with ITB 42 of the Bidding Document;
- i) We are not participating, as a Bidder, in more than one Bid in this bidding process in accordance with ITB 4.2(e), other than alternative Bids submitted in accordance with ITB 13;
- j) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- k) We understand and accept that the Purchaser reserves the right to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders; and
- l) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption.

Name of the Bidder¹: _____

Name of the person duly authorized to sign the Bid on behalf of the Bidder²: _____

Title of the person signing the Bid: _____

Signature of the person named above: _____

Date signed: _____ day of: _____

¹ In the case of the Bid submitted by a JV specify the name of the JV as Bidder.

² Person signing the Bid shall have the power of attorney given by the Bidder(s) and to be attached with the Bid.

Appendix to Bid Submission Form

Statement of Integrity, Eligibility and Social and Environmental Responsibility

Reference of the bid or proposal _____ (the "Contract")

To: **Project Director, PMU, APFBC Society, Aranya Bhawan, Panjabari, Guwahati- 781037**(the "Contracting Authority")

1. We recognize and accept that *Agence Française de Développement* ("AFD") only finances projects of the Contracting Authority subject to its own conditions which are set out in the Financing Agreement which benefits directly or indirectly to the Contracting Authority. As a matter of consequence, no legal relationship exists between AFD and our company, our joint venture or our suppliers, contractors, subcontractors, consultants or subconsultants. The Contracting Authority retains exclusive responsibility for the preparation and implementation of the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.
2. We hereby certify that neither we nor any other member of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations:
 - 2.1 Being bankrupt, wound up or ceasing our activities, having our activities administered by the courts, having entered into receivership, reorganization or being in any analogous situation arising from any similar procedure;
 - 2.2 Having been:
 - a) convicted, within the past five years by a court decision, which has the force of *res judicata* in the country where the Contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract (in the event of such conviction, you may attach to this Statement of Integrity supporting information showing that this conviction is not relevant in the context of this Contract);
 - b) subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where we are constituted, for fraud, corruption or for any other offense committed during a procurement process or performance of a contract (in the event of such sanction, you may attach to this Statement of Integrity supporting information showing that this sanction is not relevant in the context of this Contract);
 - c) convicted, within the past five years by a court decision, which has the force of *res judicata*, of fraud, corruption or of any other offense committed during the procurement process or performance of an AFD-financed contract;
 - 2.3 Being listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;
 - 2.4 Having been subject within the past five years to a contract termination fully settled against us for significant or persistent failure to comply with our contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against us;
 - 2.5 Not having fulfilled our fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where we are constituted or the Contracting Authority's country;
 - 2.6 Being subject to an exclusion decision of the World Bank and being listed on the website <http://www.worldbank.org/debarr> (in the event of such exclusion, you may attach to this Statement of Integrity supporting information showing that this exclusion is not relevant in the context of this Contract);
 - 2.7 Having created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of this Contract.
3. We hereby certify that neither we, nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations of conflict of interest:

- 3.1 Being an affiliate controlled by the Contracting Authority or a shareholder controlling the Contracting Authority, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
- 3.2 Having a business or family relationship with a Contracting Authority's staff involved in the procurement process or the supervision of the resulting Contract, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;
- 3.3 Being controlled by or controlling another bidder or consultant, or being under common control with another bidder or consultant, or receiving from or granting subsidies directly or indirectly to another bidder or consultant, having the same legal representative as another bidder or consultant, maintaining direct or indirect contacts with another bidder or consultant which allows us to have or give access to information contained in the respective applications, bids or proposals, influencing them or influencing decisions of the Contracting Authority;
- 3.4 Being engaged in a consulting services activity, which, by its nature, may be in conflict with the assignments that we would carry out for the Contracting Authority;
- 3.5 In the case of procurement of goods, works or plants:
 - a) Having prepared or having been associated with a consultant who prepared specifications, drawings, calculations and other documentation to be used in the procurement process of this Contract;
 - b) Having been recruited (or being proposed to be recruited) ourselves or any of our affiliates, to carry out works supervision or inspection for this Contract.
4. If we are a state-owned entity, and to compete in a procurement process, we certify that we have legal and financial autonomy and that we operate under commercial laws and regulations.
5. We undertake to bring to the attention of the Contracting Authority, which will inform AFD, any change in situation with regard to points 2 to 4 here above.
6. In the context of the procurement process and performance of the corresponding contract:
 - 6.1 We have not and we will not engage in any dishonest conduct (act or omission) deliberately intended to deceive others, to intentionally conceal items, to violate or vitiate someone's consent, to make them circumvent legal or regulatory requirements and/or to violate their internal rules in order to obtain illegitimate profit;
 - 6.2 We have not and we will not engage in any dishonest conduct (act or omission) contrary to our legal or regulatory obligations or our internal rules in order to obtain illegitimate profit;
 - 6.3 We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to (i) any Person who holds a legislative, executive, administrative or judicial mandate within the State of the Contracting Authority regardless of whether that Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the Person occupies, (ii) any other Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service, or (iii) any other person defined as a Public Officer by the national laws of the Contracting Authority's country, an undue advantage of any kind, for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity;
 - 6.4 We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to any Person who occupies an executive position in a private sector entity or works for such an entity, regardless of the nature of his/her capacity, any undue advantage of any kind, for himself or another Person or entity for such Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations;
 - 6.5 We have not and we will not engage in any practice likely to influence the contract award process to the detriment of the Contracting Authority and, in particular, in any anti-competitive practice having for object or for effect to prevent, restrict or distort competition, namely by limiting access to the market or the free exercise of competition by other undertakings;
 - 6.6 Neither we nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants shall acquire or supply any equipment nor operate in any sectors under an embargo of the United Nations, the European Union or France;
 - 6.7 We commit ourselves to comply with and ensure that all of our suppliers, contractors, subcontractors, consultants or subconsultants comply with international environmental and labour

standards, consistent with laws and regulations applicable in the country of implementation of the Contract, including the fundamental conventions of the International Labour Organization (ILO) and international environmental treaties. Moreover, we shall implement environmental and social risks mitigation measures when specified in the environmental and social commitment plan (ESCP) provided by the Contracting Authority.

7. We, as well as members of our joint venture and our suppliers, contractors, subcontractors, consultants or subconsultants authorize AFD to inspect accounts, records and other documents relating to the procurement process and performance of the contract and to have them audited by auditors appointed by AFD.

Name: _____ In the capacity of: _____

Duly empowered to sign in the name and on behalf of³: _____

Signature: _____

Dated: _____

³ In case of joint venture, insert the name of the joint venture. The person who will sign the application, bid or proposal on behalf of the applicant, bidder or consultant shall attach a power of attorney from the applicant, bidder or consultant.

Form: ELI-1.1

Bidder Information Form

Date: _____

IPC No. and title: _____

Page _____ of _____ pages

Bidder's name: _____ <i>[insert full name]</i>
In case of Joint Venture (JV), name of each member: _____ <i>[insert full name of each member in JV]</i>
Bidder's actual or intended year of constitution: _____ <i>[indicate year of constitution]</i>
Bidder's legal address (in country of constitution): _____ <i>[insert street / number / town or city / country]</i>
Bidder's authorized representative information: Name: _____ <i>[insert full name]</i> Address: _____ Telephone/Fax numbers: _____ Email address: _____
1. Attached are copies of original documents of: <input type="checkbox"/> Certificate of Incorporation/Registration/Partnership deed. <input type="checkbox"/> In case of State-owned enterprise or institution, in accordance with ITB 4.3, documents establishing: <ul style="list-style-type: none">• Legal and financial autonomy;• Operation under commercial law;• Establishing that the Bidder is not a dependent agency of the Purchaser.

Note: This form is mandatory. No other format is acceptable

Form: CON-2

**Historical Contract Non-Performance, Pending
Litigation and Litigation History**

[to be completed by the Bidder and by each member of the Bidder's JV]

Bidder's Name: *[insert full name]*

Date: *[insert day, month, year]*

JV Member's Name: *[insert full name]*

IPC No. and title: *[insert IPC number and title]*

Page *[insert page number]* of *[insert total number]* pages

**Non-Performed Contracts in accordance with Section
III - Evaluation and Qualification Criteria**

- Contract non-performance did not occur since 1st January 2019 specified in Section III, Evaluation and Qualification Criteria, criterion 2.1.
- Contract(s) not performed since 1st January 2019 specified in Section III, Evaluation and Qualification Criteria, criterion 2.1, as indicated below:

Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (INR)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street / number / city of town / country]</i> Reason(s) for non-performance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

Note: Pls submit the Information with sign and seal in this format only. Pls write NIL in the table if there are no non-performed contracts during the time period mentioned above. No other format shall be acceptable.

Pending Litigation, in accordance with Section III - Evaluation and Qualification Criteria

- No pending litigation in accordance with Section III, Evaluation and Qualification Criteria
- Pending litigation in accordance with Section III, Evaluation and Qualification Criteria as indicated below:

Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (INR)
<i>[insert year]</i>	<i>[insert amount]</i>	Contract Identification: <i>[Indicate complete contract name, number, and any other identification]</i> Name of Purchaser: <i>[Insert full name]</i> Address of Employer: <i>[Insert street / number / city of town / country]</i> Matter in dispute: <i>[Indicate main issues in dispute]</i> Party who initiated the dispute: <i>[Indicate "Purchaser" or "Contractor"]</i> Status of dispute: <i>[Indicate if it is being treated by the Adjudicator, under Arbitration or being dealt with by the Judiciary]</i>	<i>[insert amount]</i>
<i>[insert year]</i>	<i>[insert amount]</i>	<i>[insert amount]</i>
.....

Note: Pls submit the Information with sign and seal in this format only. Pls write NIL in the table if there are no pending litigation. No other format shall be acceptable.

Form: FIN - 3.1

Financial Situation and Performance

[to be filled by the Bidder and by each member of Joint Venture.]

Bidder's Name: [insert full name]

Date: [insert day, month, year]

JV Member's Name: [insert full name]

IPC No. and title: [insert IPC number and title]

Page [insert page number] of [insert total number] pages

1. Financial data

Type of Financial information in Indian Rupee (INR) Equivalent	Historic information for previous Three (3) years (amount in INR equivalent)		
	2023-24	2022-23	2021-22
Statement of financial position (information from balance sheet)			
Total Assets (TA)			
Total Liabilities (TL)			
Total Equity/Net Worth (NW) = (TA-TL)			
Current Assets (CA)			
Current Liabilities (CL)			
6.Working Capital (WC)			
Information from income statement			
Total Revenue (TR)			
Profit before Taxes (PBT)			
Cash flow information			
Cash flow from operating activities			

2. Financial Parameters

Based on the above table, which is based on the corresponding years' balance sheets audited and certified by Chartered Accountant, the compliance requirements are stated below:

a) Average Liquidity Ratio for last 3 years:

Year	2023-24	2022-23	2021-22	Average
Liquidity Ratio(CA/CL)				

b) Net Worth for last 3 years:

Year	2023-24	2022-23	2021-22
Net Worth			

Note: This document should be certified by a Chartered Accountant. Information to be derived from audited balance sheets of corresponding years. No need to submit balance sheets or other financial statements at this stage.

Form FIN-3.2:

Average Annual Turnover

[to be filled by the Bidder and by each member of Joint Venture]

Bidder's Name: [insert full name]

Date: [insert day, month, year]

JV Member's Name: [insert full name]

IPC No. and title: [insert IPC number and title]

Page [insert page number] of [insert total number] pages

Year	Annual turnover data		
	Amount and currency ¹	Exchange rate	Indian Rupee (INR) equivalent
[Indicate financial year]	[insert amount and indicate currency, if different from INR, or else insert amount in INR]	[insert exchange rates used to calculate the INR equivalent or else insert "Not Applicable" (N/A)]	[insert INR equivalent]
2023-24			
2022-23			
2021-22			
		Average Annual Turnover²	

Note: These documents should be certified by a Chartered Accountant. Information to be derived from audited balance sheets of corresponding years. No need to submit balance sheets or other financial statements at this stage.

¹ The indicated turnover amounts must be identical as those appearing on the financial statements.

² See Section III, Evaluation and Qualification Criteria, criterion 3.2.

Form: EXP-4.1

Experience

Bidder's Name: [insert full name]

Date: [insert day, month, year]

JV Member's Name: [insert full name]

IPC No. and title: [insert IPC number and title]

Page [insert page number] of [insert total number] pages

Similar Contract No. ___ <i>[insert specific number] of</i> <i>[total number of contracts]</i> _____ required	Information	
Contract Identification:	_____	
Award Date:	_____	
Completion Date:	_____	
Role in Contract:	_____	
Total Contract Amount:	_____ <i>[Insert total contract amount in INR]</i>	
If member is a JV, specify participation in total Contract amount:	_____ % <i>[Insert a percentage amount]</i>	_____ <i>[Insert total contract amount in INR]</i>
Purchaser's Name:	_____ <i>[Insert full name]</i>	
Purchaser's Address:	_____	
¹ Contact person:	_____	
Telephone/Fax numbers:	_____	
Email:	_____	

Please Note:

- *As a valid experience document, only this format (signed and sealed by authorized signatory) shall be accepted, no other formats or contract documents should be supplied in place of this.*
- *Documentary evidence supporting this form shall be the work order/certificate issued from the purchaser.*
- *Scope of the project should be clearly highlighted on the work order/self-certificate and the cumulative scope of projects (up to 3 projects) should meet the desired scope of project as mentioned in the Section III 4.1.(i).*
- *Work completion certificate for completed projects and Satisfactory Performance certificate for ongoing projects should also be supplied by the purchaser along with the ¹Contact Person details. The contact person mentioned above shall be contacted to verify the documents/communication within a specified time frame on email/phone during technical evaluation. No response/Late response/partial verification/False information shall lead to invalidation of bid.*
- *Separate experience forms and attachments like work orders/work completion/satisfactory performance documents to be furnished by the bidder for separate projects*

Note: Submission of all the above annexures is mandatory for the experience requirement to be acceptable. The bidder through his submissions and an abstract of work experiences should prove beyond doubt that the bidder has executed projects similar to the scope of work desired and meets minimum total value.

Price Schedule Forms

*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

Price Schedule for Goods

Currencies in accordance with ITB Sub-Clause 15

Date: _____

IPC No: _____

Alternative No: _____

Page No ____ of ____

1	2	3	4	5	6	7	8	9
Line Item No	Description of Goods	Country of Origin	Delivery Date at named place of destination	Quantity and physical unit	Unit Price/Lumpsum	GST and other taxes paid or payable per item	Total Price per Line item (Col. 5x6)	Total Price inclusive of taxes (Col. 7+8)
<i>[insert number of the item]</i>	<i>[insert name of good]</i>	<i>[insert country of origin of the Good]</i>	<i>[insert quoted Delivery Date]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit price/Lumpsum as applicable]</i>	<i>[insert sales and other taxes paid or payable per item if Contract is awarded]</i>	<i>[insert total price of the line item]</i>	<i>[insert total price of the line item inclusive of taxes]</i>
1.	Enterprise GIS Software (one license) with Image handling capability (with 2 years AMC after 1 st year)			1				
2.	Desktop GIS Software (two floating licenses) with Image handling capability (with 2 years AMC after 1st year)			2				

3.	Desktop GIS Software(one floating license) with Image handling capability including drone imagery processing capability (with 2 years AMC after 1st year)			1				
4	SQL Server Standard Edition 2022 with Windows Server 2022 (Perpetual License)			2				
5	Workstations - High performance computers with 2x 27" screens (with 3 years warranty)			4				
6	Video Wall 2x2 with 55" screens			1				
7	Video Bar (with 3 years warranty)			1				
8	Storage solution - NAS device with 20TB (with 3 years warranty)			1				
9	Internet Connectivity - Broadband/ Internet Leased line (3 years plan with 1 Gbps speed)			1				

10	Large format Multi-functional Plotter cum scanner (with 3 years warranty)			1				
11	Multi-functional printer (A4, A3 paper size with 3 years warranty)			2				
12	Furniture – Ergonomically designed chairs and tables			4				
13	Furniture – Executive table, 2 chairs and sofa (twin seater)			1 set				
14.	Furniture – Round Collaboration table with 5 chairs			1 set				
15.	Furniture – wardrobe of dimension of 7 feet (height)X3 feetX2 feet			2				
16.	CCTV Camera - Bullet Camera with NVR (with 3 years warranty)			1 Outside/ 3 Inside				
17.	Air Conditioner set 2 Tons each (5 star rating)			2				

18.	Smart Rack 27U size (for NAS, Video Matrix Switcher, Integrated network and security appliance, UPS, etc.) with 3-years warranty			1				
19.	Integrated network and security hardware appliance to manage firewalling, routing, switching and wireless access(WiFi) (with 3 years warranty)			2				
20.	UPS (with 3 years warranty)			1				
21.	Installations/ Commissioning			1	Quote Lumpsum			
22.	Misc. Items			1	Quote Lumpsum			
						Total Price		

Please note:

- For item number 21 and item number 22 please refer to notes in the List of Goods and Delivery Schedule
- Financial evaluation will be done exclusive of taxes.

Name of Bidder *[insert complete name of Bidder]*

Signature of Bidder *[signature of person signing the Bid]*

Date *[Insert Date]*

Price and Completion Schedule - Related Services

Date: _____

IPC No: _____

Alternative No: _____

Page No ____ of ____

Currencies in accordance with ITB Clause 15

1	2	3	4	5	6	7	8	9
Service No	Description of Services	Country of Origin	Delivery Date at named place of destination	Quantity and physical unit	Unit Rate of CMC/ AMC per year exclusive of duties and applicable taxes	Total cost of CMC/ AMC for the desired period exclusive of duties and applicable taxes (Col. 5X6)	Total Duties and other taxes payable for the period desired	Total Price per Service (Col. 7+8)
<i>[insert number of the Service]</i>	<i>[insert name of Services]</i>	<i>[insert country of origin of the Services]</i>	<i>[insert delivery date at named place of destination]</i>	<i>[insert number of units to be supplied and name of the physical unit]</i>	<i>[insert unit rate of CMC/ AMC/services per item per year]</i>	<i>[insert total cost of CMC/ AMC/services per item for the desired period]</i>	<i>[Total duties and other taxes payable per line item if Contract is awarded]</i>	<i>[insert total price per item]</i>
1.	2 years AMC for Enterprise GIS software with image handling capability including drone image processing capability starting from 2 nd year			1				
2.	2 Years AMC for Desktop GIS software with image handling capability starting from 2 nd year			2				

3.	2 Years AMC for Desktop GIS software with image handling capability including drone image processing capability starting from 2 nd year			1				
4	GIS Analysts for 3 years			2				
				Total Price of AMC/CMC/Manpower deployment				
				Total Bid Price (including all goods and services)				

Name of Bidder *[insert complete name of Bidder]*

Signature of Bidder *[signature of person signing the Bid]*

Date *[insert date]*

Please note:

- Financial Evaluation shall be done on the total bid price exclusive of duties and taxes.
- A 3 year onsite Comprehensive Warranty/ Comprehensive Maintenance Contract (CMC) is required for all the hardware items starting from the date of operational acceptance.
 - The client assumes that comprehensive warranty will be equivalent to a CMC that would include features like accidental insurance, help-desk support, logistics (inclusive of shipping) for repairs/replacement etc.The 3 year onsite comprehensive warranty shall be included in the price schedule for goods.
 - If any bidder feels that a 3 year onsite comprehensive warranty offered by him does not include all the features under the CMC (as defined above) for any line item(s) then the bidder may quote for CMC against such line item(s) in this price and completion schedule separately.
- A 2-year Annual Maintenance Contract (AMC) is required for all the software items starting from one year after the date of operational acceptance. The AMC shall include at a minimum:
 - Software version upgrade, major software updates/ patches
 - Help-desk/ technical support
 - New features/ capabilities introduced into the software during the project period
 - Preventive maintenance
 - License renewal and license upgrade
 - Training and consultation for customization
 - Backup and recovery support
 - API integration support
 - Compliance and Audit support.

Form for Bid Security

Bank Guarantee

Beneficiary: _____

Invitation for Bids No.: _____

Date: _____

Bid Guarantee No.: _____

Guarantor: _____

We have been informed that _____ (hereinafter called "**the Bidder**") has submitted or will submit to the Beneficiary its bid (hereinafter called "**the Bid**") for the execution of _____ [IPC Name] / _____ under Invitation for Bids No. _____ ("**the IFB**").

Furthermore, we understand that, according to the Beneficiary's conditions, Bids must be supported by a Bid guarantee.

At the request of the Bidder, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of INR _____ (Indian Rupees _____ only) upon receipt by us of the Beneficiary's first demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Bidder:

- a) Has withdrawn its Bid during the period of Bid validity set forth in the Bidder's Letter of Bid ("the Bid Validity Period"), or any extension thereto provided by the Bidder; or
- b) Having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period or any extension thereto provided by the Bidder, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders ("**ITB**") of the Beneficiary's Bidding Documents.

This guarantee will expire:

- a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Bidder and the performance security issued to the Beneficiary in relation to such contract agreement; or
- b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Bidder of the results of the bidding process; or (ii) twenty-eight days after the end of the Bid Validity Period.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

_____ *[Signature(s)]*

Form of Bid-Securing Declaration

Date: _____

Bid No.: _____

Alternative No.: _____

To: _____

We understand that, according to your conditions, Bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the entity that invited Bids for the period of time of _____ starting on _____, if we are in breach of our obligation(s) under the Bid conditions, because we:

- a) Have withdrawn our Bid during the period of Bid validity specified in the Letter of Bid or any extension thereto accepted by us; or
- b) Having been notified of the acceptance of our Bid by the Employer during the period of Bid validity or any extension thereto accepted by us, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the ITB.

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of:

- a) our receipt of your notification to us of the name of the successful Bidder; or
- b) twenty-eight days after the expiration of our Bid.

Name of the Bidder¹: _____

Name of the person duly authorized to sign the Bid on behalf of the Bidder²: _____

Title of the person signing the Bid: _____

Signature of the person named above: _____

Date signed: _____ day of: _____

[Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all members of the Joint Venture that submits the Bid.]

¹ In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder.
² Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid.

Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**.]*

Date: *[insert date (as day, month and year) of Bid Submission]*

IPC No.: *[insert number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us:

[insert name and or brief description of the Goods],

and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm. We further certify that the product(s) manufactured by us meet the technical specifications as mentioned in the section VII of the bidding document.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Section V – Eligibility Criteria

Eligibility in AFD-Financed Procurement

1. Financing allocated by AFD to a Contracting Authority has been entirely untied since 1st January 2002. To the exception of any equipment or any sector which is subject to an embargo by the United Nations, the European Union or France, all goods, works, plants, consulting services and non-consulting services are eligible for AFD financing regardless of the country of origin of the supplier, contractor, subcontractor, consultant or subconsultant inputs or resources used in the implementation processes. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.
2. Natural or legal Persons¹ (including all members of a joint venture or any of their suppliers, contractors, subcontractors, consultants or subconsultants) shall not be awarded an AFD-financed contract if, on the date of submission of an application, a bid or a proposal, or on the date of award of a contract, they:
 - 2.1 Are bankrupt or being wound up or ceasing their activities, are having their activities administered by the courts, have entered into receivership, or are in any analogous situation arising from a similar procedure;
 - 2.2 Have been:
 - a) convicted, within the past five years by a court decision, which has the force of res judicata in the country where the contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract, unless they provide supporting information together with their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this conviction is not relevant in the context of the Contract;
 - b) subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where they are constituted, for fraud, corruption or for any other offense committed during a procurement process or performance of a contract, unless they provide supporting information together with their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this sanction is not relevant in the context of the Contract;
 - c) convicted, within the past five years by a court decision, which has the force of res judicata, of fraud, corruption or of any other offense committed during the procurement process or performance of an AFD-financed contract;
 - 2.3 Are listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;
 - 2.4 Have been subject within the past five years to a contract termination fully settled against them for significant or persistent failure to comply with their contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against them;
 - 2.5 Have not fulfilled their fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where they are constituted or the Contracting Authority's country;
 - 2.6 Are subject to an exclusion decision of the World Bank and are listed on the website <http://www.worldbank.org/debarr>, unless they provide supporting information together with their Statement of Integrity (Form available as Appendix to the Application, Bid or Proposal Submission Form) which shows that this exclusion is not relevant in the context of the Contract;
 - 2.7 Have created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of the Contract.
3. State-owned entities may compete only if they can establish that they (i) are legally and financially autonomous, and (ii) operate under commercial law. To be eligible, a state-owned entity shall establish to AFD's satisfaction, through all relevant documents, including its Charter and other information AFD may request, that it: (i) is a legal entity separate from their state (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to their state, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt.

¹ Means any Person whether natural or legal, firm, company, corporation, government, state or state agency or any association, or group of two or more of the foregoing (whether or not having separate legal status).

Section VI –AFD Policy – Corrupt and Fraudulent Practices - Environmental and Social Responsibility

1. Corrupt and Fraudulent Practices

The Contracting Authority and the suppliers, contractors, subcontractors, consultants or subconsultants must observe the highest standard of ethics during the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.

By signing the Statement of Integrity the suppliers, contractors, subcontractors, consultants or subconsultants declare that (i) “it did not engage in any practice likely to influence the contract award process to the Contracting Authority’s detriment, and that it did not and will not get involved in any anti-competitive practice”, and that (ii) “the procurement process and the performance of the contract did not and shall not give rise to any act of corruption or fraud”.

Moreover, AFD requires including in the Procurement Documents and AFD-financed contracts a provision requiring that suppliers, contractors, subcontractors, consultants or subconsultants will permit AFD to inspect their accounts and records relating to the procurement process and performance of the AFD-financed contract, and to have them audited by auditors appointed by AFD.

AFD reserves the right to take any action it deems appropriate to check that these ethics rules are observed and reserves, in particular, the rights to:

- a) Reject a proposal for a contract award if it is established that during the selection process the bidder or consultant that is recommended for the award has been convicted of corruption, directly or by means of an agent, or has engaged in fraud or anti-competitive practices in view of being awarded the Contract;
- b) Declare mis-procurement when it is established that, at any time, the Contracting Authority, the suppliers, contractors, subcontractors, consultants or subconsultants their representatives have engaged in acts of corruption, fraud or anti-competitive practices during the procurement process or performance of the contract without the Contracting Authority having taken appropriate action in due time satisfactory to AFD to remedy the situation, including by failing to inform AFD at the time they knew of such practices.

AFD defines, for the purposes of this provision, the terms set forth below as follows:

- a) Corruption of a Public Officer means:
 - The act of promising, offering or giving to a Public Officer, directly or indirectly, an undue advantage of any kind for himself or for another Person¹ or entity, for such Public Officer to act or refrain from acting in his official capacity; or
 - The act by which a Public Officer solicits or accepts, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity.
- b) A Public Officer shall be construed as meaning:
 - Any person who holds a legislative, executive, administrative or judicial mandate (within the country of the Contracting Authority) regardless of whether that natural Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the natural Person occupies;
 - Any other natural Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service;
 - Any other natural Person defined as a Public Officer by the national laws of the country of the Contracting Authority.
- c) Corruption of a Private Person² means:
 - The act of promising, offering or giving to any Private Person, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Private Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations; or;

¹ Means any Person whether natural or legal, firm, company, corporation, government, state or state agency or any association, or group of two or more of the foregoing (whether or not having separate legal status).

² Means any natural Person other than a Public Officer.

- The act by which any Private Person solicits or accepts, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Private Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations.
- d) Fraud means any dishonest conduct (act or omission), whether or not it constitutes a criminal offence, deliberately intended to deceive others, to intentionally conceal items, to violate or vitiate consent, to circumvent legal or regulatory requirements and/or to violate internal rules in order to obtain illegitimate profit.
- e) Anti-competitive practices mean:
 - Any concerted or implied practices which have as their object or effect the prevention, restriction or distortion of competition within a marketplace, especially where they (i) limit access to the marketplace or free exercise of competition by other undertakings, (ii) prevent free, competition-driven price determination by artificially causing price increases or decreases, (iii) restrict or control production, markets, investments or technical progress; or (iv) divide up market shares or sources of supply;
 - Any abuse by one undertaking or a group of undertakings which hold a dominant position on an internal market or on a substantial part of it;
 - Any practice whereby prices are quoted or set unreasonably low, the object of which is to eliminate an undertaking or any of its products from a market or to prevent it from entering the market.

2. Social and Environmental Responsibility

In order to promote sustainable development, AFD seeks to ensure that internationally recognized environmental and social standards are complied with. Suppliers, contractors, subcontractors, consultants or subconsultants for AFD-financed contracts shall consequently undertake in the Statement of Integrity to:

- a) Comply with and ensure that all their subcontractors or subconsultants comply with international environmental and labour standards, consistent with applicable law and regulations in the country of implementation of the contract, including the fundamental conventions of the International Labour Organization (ILO) and international environmental treaties;
- b) Implement environmental and social risks mitigation measures when specified in the environmental and social management plan (ESMP) provided by the Contracting Authority.

PART 2 - Supply Requirements

Section VII - Schedule of Requirements

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1. Scope of Work, List of Goods and Delivery Schedule

a. Scope of Work

Introduction: The GIS lab is being established to support forest conservation, wildlife protection, encroachment monitoring, disaster management (like forest fires), and environmental research for the Assam Forest Department. To ensure scalability and future proofing, the lab shall be equipped with modern tools like cloud-based enterprise GIS, Desktop GIS software, image processing and real time monitoring systems.

The major works related to GIS Lab shall be:

1. Supply, Installation and commissioning of Enterprise GIS Software, DBMS etc. on cloud and Desktop GIS Software on workstations.
2. Supply, Installation and commissioning of Workstations, Video wall, Storage Solution, Smart rack, Networking and other hardware mentioned in list of goods and delivery schedule.
3. Prepare a layout plan of the GIS Lab and supply and install all the necessary furniture, electrical fittings, lightings, cooling and other installations required for a comfortable workspace facilitating working for long hours.
4. Integration of hardware and software in the lab and make it all work together with the support of System Integrator.
5. Supply 2 no. of GIS Analysts who would work in the GIS Lab for 3 years, are well conversant with the usage of various features of GIS software, would enter data in various apps being developed by the department, would generate LULC maps/Forest Cover maps/drone imagery maps/other maps and generate regular reports on forest cover change, encroachments, fire incidences, deforestation, wildlife sightings etc. from the information received either from the updates in the GIS software or from the apps/drone sensors and would also carry out any other GIS work required by the Forest department.
6. To carry out regular maintenance AMC/CMC of various equipment in the lab.
7. The bidder shall support migration of all GIS product and services presently planned to be hosted on Cloud to on-premises hosting as and when required.
8. The OEM of the GIS software is expected to provide guidance in customization/automation of solutions specific to Assam Forest Department and provide training on using various modules of the supplied software and their features and advanced algorithms like AI/ML/Deep Learning applicable to various forestry use cases.

b. List of Goods and Delivery Schedule

[The Purchaser shall fill in this table, with the exception of the column "Bidder's offered Delivery date" to be filled by the Bidder. The item list should be identical to the Price Schedule (Section IV)]

Sl.	Description of Goods	Quantity	Physical unit	Named place of Destination as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date at named place of destination	Latest Delivery Date at named place of destination	Bidder's offered Delivery date at named place of destination [to be provided by the bidder]
1	Enterprise GIS Software(one license) with Image handling capability including drone image processing capability (with 2 years AMC after 1 st year)	1	1	Guwahati	30 days following the date of signature of the Contract	45 days following the date of signature of the Contract	[insert the number of days following the date of signature of the Contract]
2	Desktop GIS Software (two floating licenses) with Image handling capability (with 2 years AMC after 1 st year)	2	2				
3	Desktop GIS Software (one floating license) with Image handling capability including drone image processing capability (with 2 years AMC after 1 st year)	1	1				
4	SQL Server Standard Edition 2022 with Windows Server 2022 (Perpetual License)	2	2				
5	Workstations- High performance computers with 2x 27" screens(with 3 years warranty)	4	4				
6	Video Wall 2x2 with 55" screens(with 3 years warranty)	1	1				
7	Video Bar (with 3 years warranty)	1	1				
8	Storage solution - NAS device with 20TB (with 3 years warranty)	1	1				
9	Internet Connectivity - Broadband/ Internet Leased line (3 years plan with 1 Gbps speed)	1	1				
10	Large format Multi-functional Plotter cum scanner (with 3 years warranty)	1	1				
11	Multi-functional printer (A4, A3 paper size with 3 years warranty)	2	2				

12	Furniture – Ergonomically designed chairs and tables	4	4				
13	Furniture – Executive table, 2 chairs and sofa (twin seater)	1 set	1 set				
14	Furniture – Round Collaboration table with 5 chairs	1 set	1 set				
15	Furniture – wardrobe of dimension of 7 feet (height)X3 feetX2 feet	2	2				
16	CCTV Camera - Bullet Camera with NVR (with 3 years warranty)	1 Outside/3 Inside	1 Outside/3 Inside				
17	Air Conditioner set 2 Tons each (5-star rating)	2	2				
18	Smart Rack 27U size (for NAS,Video Matrix Switcher, Integrated network and security appliance, UPS, etc.) with 3-years warranty	1	1				
19	Integrated network and security hardware appliance to manage firewalling, routing, switching and wireless access (WiFi) (with 3 years warranty)	2	2				
20	UPS (with 3 years warranty)	1	1				
21	Furnishings/Fittings#	Lumpsum	Lumpsum				
22	Misc. Items*	Lumpsum	Lumpsum				
23	Manpower Support (GIS Analyst)	2	2				

Note: The price quoted shall be inclusive of installation and commissioning at site (Guwahati).

*Misc. items would include:

- Provisioning for electrical wiring, lighting, boards, fittings, etc. of electrical appliances (computers, video wall, smart rack, CCTV, ACs, UPS, Internet/ Wi-Fi router etc.)
- Passive network cabling for 15 LAN ports.
- Supplying Ink Cartridges for Plotter (2 sets of 300ml)
- Supplying high yield Toner Cartridge for Printer (8 sets)
- Supply of A3, A4size printer papers (4 standard carton of 5 reams each, standard office paper of 100GSM)
- Supply of large paper rolls for plotter (1 paper rolls of 300 ft length, Bond paper 24 lb)
- Supply and fitting of Fire Extinguisher (4 Nos)
- Supply Dehumidifier with 20 liter per day capacity.
- All other items necessary for proper insulation of doors (2 Nos. of size 7 feet X 3 feet each) and windows (4 Nos. of size 5 feet X 6 feet), including blinds for the windows.

Note: Each item along with its pricing must be separately mentioned by the bidder. This is inclusive of supply/installation at site (Guwahati).

#Furnishings/Fittings

The GIS lab is an empty hall of dimensions of 25 feetX16 feetX11feet. There shall be provisions of an executive cubicle of 10 feetX10 feet, workspace area for 4 people of 5 feetX6 feet size each, and a collaboration area for team meeting. The selected bidder will prepare a site layout plan which would position all the above supplied goods in an efficient manner, taking into consideration principles of ergonomics, ease of use, and a comfortable work environment. The site layout must be approved by the client before the selected bidder starts furnishing and fitting work. The partitions for the executive cubicle shall be of glass and metal, to enable viewing of video wall and workspace from inside. The individual workspace area shall be designed ergonomically with provisions for network and power connectivity and enough space for placing two monitors on the desk for comfortable use. Provision for installation of false ceiling for recessed lighting, wiring, fittings etc. will be required. The bidder shall quote a lumpsum price for all the furnishing and fittings.

2. Technical Specifications

1. Specifications for Enterprise GIS Software with image handling capability including drone image processing capability

Sl.	Specifications	Compliance (Yes/ No)	Col 4*
<p>General capabilities of Enterprise GIS Software:</p> <p>2D and 3D data handling, data integration, data processing, data visualization and modelling, data sharing, data security and data analysis tools.</p>	<ul style="list-style-type: none"> • The capabilities related to data handling, analyses, processing, visualizations, modelling etc. mentioned in the Desktop GIS software (specifications given below) shall exist in the Enterprise GIS software. • Enterprise GIS Software should support geospatial data such as geometrical (line, point, polygon, multi-patch etc), geography, Network, Raster, Tabular data such as Text, Numeric, date, time, and specialized datasets such as cadastral, 3D, real time, time series. • Enterprise GIS Software must support reading and writing standard and common data file types using industry and international standard data formats, and via the web through OGC web service for all the following. <ul style="list-style-type: none"> ○ Geospatial Formats: SHP, KML, GML ○ Tabular Files: CSV, Excel, TDF, CDF ○ Documents: JSON, GeoJSON ○ Open Geospatial Standard Services: WCS, WFS, WMS WMTS and RESTful, WPS • Enterprise GIS Software should have a centralized database where geospatial data is stored, maintained and accessed by multiple users. • Enterprise GIS Software should have a web-based platform for accessing maps, data, and spatial services remotely, using a browser or mobile app. • Enterprise GIS software to have locational analytics software to connect to multiple databases like SQL Server, Oracle, Postgres SQL. • Enterprise GIS software should be deployable in the cloud (leveraging cloud computing services) and on-premises data centers. • Enterprise GIS software to catalogue, manage, and deliver large volumes of distributed spatial and non spatial data, including raster, vector, LAS, terrain, and digital object or business data. • Enterprise GIS software should allow simultaneous access to GIS resource by multiple users with role-based access. • Enterprise GIS software should have a portal for an administrator that lets administrators to add, update, manage and maintain GIS data and user management, content Sharing and the capability to build various GIS applications out of the box. • Enterprise GIS Server application should record various service statistics, such as total requests, average response time, and timeouts, and reports this information in Server Manager for better monitoring and performance optimization of services. • The Enterprise GIS software must support Scan methodology to protect Cross-site scripting (XSS) attacks from malicious inject and run code for Security concern. • Enterprise GIS software should enable the publication of interactive maps, dashboards, and spatial services that can be accessed via the web or mobile devices. • Enterprise GIS software should support Token model authentication and the built-in User Store. Should also support the option to use Enterprise Logins -Integrate with a SAML 2.0 Identity Provider (IdP) to provide Web Single Sign On. • Enterprise GIS software should be able easily integrate & 		

	<p>embed with Microsoft Office application like excel, PowerPoint etc. for management and administrators as a native functionality.</p> <ul style="list-style-type: none"> • Enterprise GIS software should integrate seamlessly with enterprise systems like ERP (Enterprise Resource Planning), CRM (Customer Relationship Management), or BI (Business Intelligence) systems, adding spatial context to organizational workflows. • Enterprise GIS software must have support on Windows and Linux x86_64 operating system, x86_64 architecture (64 bit), with supported Linux releases. • In case of Linux operating system, Enterprise GIS software should support various current version Linux distribution software's such as Red Hat Enterprise Linux Server 9, Ubuntu Server 22.04 LTS operating system etc. • Enterprise GIS software should have built in diagnostic tools to ensure all system requirements are validated. • Enterprise GIS software should offer advanced security features like role-based access control, authentication, and data encryption, ensuring that sensitive geospatial data is only accessible to authorized users. • Enterprise GIS software to have locational analytics and reports in form of tailor-made interactive dashboards which can help the organization to track data using Pie/Bar Charts and run queries. Users should be able to execute predefined queries for dashboard generation rather than write scripts. • Enterprise GIS software must have the capability to create and process geo processing services on the web out of the box where users can use multiple geospatial tools to build a model on desktop and able to publish the geo processing service on the web • Enterprise GIS software should support distributed processing and analytics on large collections of imagery and raster data (that is, should run raster processing models in parallel across multiple machines) • Enterprise GIS software should support taking measurements from the image service using mensuration tools • Enterprise GIS software should manage imagery and raster data from multiple formats, projections, resolutions, and sensor types that include orthophotos, DEMs, LIDAR, scientific raster, and data captured by satellites, aircraft, and drones. • Enterprise GIS software should support creation of multiple image service products on-demand from a single image/service to deliver large collections of imageries with multiple consumption options for dynamic monitoring, change detection, fire management etc. • Enterprise GIS software should log events of interest such as who is publishing services for the Logging and Auditing purposes. • Enterprise GIS software should have inbuilt utility for checking availability of server software updates/ patches once connected to internet. 		
<p>Developer Ecosystem Support</p>	<ul style="list-style-type: none"> • Enterprise GIS software should support Standard APIs for Python, REST and JavaScript and SDKs and libraries to perform analysis, automate workflows, build custom applications and visualize data and analysis results in a geographic context. • Enterprise GIS software should provide extensive support for creation of workflow through scripting or model building for automated processing of repetitive tasks and for building custom applications by means of tutorials, documentation etc. • Enterprise GIS software should support AI/ML/deep learning standard Jupyter Notebooks to create, share, and run data science script/models for applications like plantation monitoring, Canopy Density Estimation, Tree Enumeration, 		

	<p>Tree species identification and Mapping Tree species Extent (Agar, Bamboo etc.), Wildlife species Identification, Plantation Land bank Identification, Forest Health Monitoring, Encroachment Detection etc. The Software provider is expected to provide guidance on building/adapting these models in Assam forest's context.</p>		
<p>Pre-Built Native and 3rd party Forestry Solutions</p>	<ul style="list-style-type: none"> • Enterprise GIS software should have option to create natively available dynamic dashboards which can easily be configured using ready-made tools minimizing customization. Dashboard chart/indicators shall change in-sync with map extent. • Enterprise GIS software should provide ready-to-use basic forestry solutions either pre-built into the software or freely available from 3rd party, which are suitable for Assam and can be utilized with minimum customization. Such solutions shall include monitoring forest fire, monitoring deforestation, flood monitoring, forest plantation status assessment, forest protection and patrolling dashboards/apps, vegetation change monitoring, burn area assessment, land use land cover and change detection, encroachment monitoring, carbon sequestration, growing stock and biomass assessment, forest incident recording, and wildlife observation. • The Software provider is expected to provide pre-built/available 3rd party general templates for the above desired use-cases/solutions and provide detailed guidance and support on customizing these solutions for Assam's context. 		
<p>Field apps and mobile solutions</p>	<ul style="list-style-type: none"> • Enterprise GIS software should possess Out of the box Mobile survey and field data collection apps for forestry and wildlife uses, which should be compatible with iOS, Android, Universal Windows Platform etc. The mobile apps should preferably be able to integrate with SOIs CORS Network with COTS GPS/mobile devices for accurate geo location. • Out of the box Mobile App should have a web admin interface to configure surveys and publish it to enterprise for survey to begin immediately • Enterprise GIS software should be capable of providing cross platform Mobile SDKs for bespoke development. These Apps should support online and Offline data capturing and syncing with central GIS database in real-time. 		
<p>Public geospatial data support</p>	<ul style="list-style-type: none"> • Enterprise GIS software should provide access to a vast repository of ready-to-use, authoritative geospatial datasets from governments and organizations around the world. • Enterprise GIS software should provide NASA web services feeds for temperature, Soil moisture, humidity, and rainfall to the understand the weather observations and climate change and its effect on forests of Assam. • Enterprise GIS software should provide customisable web services for Thermal activity detected by the MODIS sensors on the NASA Aqua, Terra satellites and/or VIIRS sensors on S-NPP satellites etc. during the last 48 hours and 7 days to detect the thermal hotspot. This would help for monitoring forest fire activity in Assam Forests. • Enterprise GIS software should provide access to free Online 2D, 3D, Street, LULC Base maps for previous few years with minimum resolution of 10m, imagery Services for location reference out of the box without any added cost or requirement of license. • Enterprise GIS software should provide archived very high-resolution satellite imagery basemap layers for past few years to understand land use changes. The software should have a capability of running deep learning object detection models on such basemaps for change analysis. • Enterprise GIS software should provide GIS data, such as demographic data, Rural Road Data, Population projection data, School and Health centre data, other government 		

	department data, pin code boundaries, and administrative boundaries of India, as web layer services for further analysis to understand the community profile around the forests and understand socio-economic profile of people dependent on forests.		
Cloud based Drone Image Processing capability	<ul style="list-style-type: none"> • GIS enterprise software provider should also provide drone image processing cloud option that allows users to administer, upload imagery, process remotely and download results. It should support direct uploading of the geo-tagged photos on the cloud. It should allow real time collaboration and sharing of Ortho mosaic data etc. between users. • The cloud based drone processing option should have a Dashboard showing all the projects on a global geographical base map. • The cloud based drone imagery processing option should generate a detailed processing report with parameters for (not limited to) quality check, camera and tie point positions, overlap details, bundle block adjustment, geolocation and accuracy details. • Ortho mosaic, DSM/DTM Elevation, DSM/DTM Hill shade, Point Cloud Scene Layer Integrated Mesh Scene Layer, Processing Report, Image Locations Feature Service and Ground Control Points Feature Service should publish from cloud based drone imaging processing to Web GIS Platform directly. • The software should have drone image processing engine as well as the front ending application thereby providing seamless image upload, seamless processing, viewing and analyzing environment. • Enterprise GIS software should have Ortho Maker tools to create orthoimage mosaics and terrain surface products using imagery from drones. where user can set Project Setup, Block Adjustment and Final Product Generation from Drone Image. • There should be a facility to interactively measure distances, areas, volumes, angles and heights of features in the cloud based drone imagery processing option. • Other capabilities mentioned in desktop-based drone imagery processing specifications shall also be met by the cloud option of drone image processing. 		

2. Specifications for Desktop GIS Software with image handling capability

Capability	Specifications	Compliance (Yes/ No)	Col. 4*
Handling 2D, 3D, Large dataset and Raster, Vector data	<ul style="list-style-type: none"> • Should support raster data such as high-resolution satellite images, aerial photo, drone imagery, DEMs, and vector data. • The software should be of minimum 64-bit, multi-threaded application. It would be powerful processing and upgraded display engine allow for faster analysis and rendering. • The software must be able to create a single Forest Division, Range wise project name, which will contain that area related Maps and scenes, Layouts containing map frames and map, Toolboxes containing models and scripts, Connections to folders, databases, servers, styles, and other resources. • Should provide complete geoprocessing history in project pane for testing and/or audit purpose to know which tool and its parameters used for any analysis. • Projects can be packaged in a few clicks into a convenient format that's shareable via the cloud or as a file which must include "Maps, Scenes, and Basemaps, Layouts, Reports, Attachments, Styles, Tasks, Locators, Presentations etc." for secure internal and external data sharing purpose. 		

Capability	Specifications	Compliance (Yes/ No)	Col. 4*
	<ul style="list-style-type: none"> • The Software must take an automatically back up of your open project at an interval specified in minutes. User work is not interrupted, or the performance is not slowed down during the backup process. • The software would be prompted to sign in when you launch the application. Enter your organizational account credentials, which typically include your username and password to protect the Department crucial data. • Software should provide Online Access of high-resolution Imagery base map services and should allow running deep learning/AI/ML object detection models for change detection on these basemaps. • The software should be able to access freely available LULC services(like Sentinel 2 etc.) for past few years and create maps using these to monitor the changes in the forest area. • The software should provide free base map Services (OSM, High Resolution Imagery, Topographic etc.). The base maps should also be viewable without internet also. • The software should provide GIS data, such as demographic data, Rural Road Data, Population projection data, School and Health centre data, other government department data, pin code boundaries, and administrative boundaries of India, as web layer services for further analysis to understand the community profile around the forests and possible encroachment threat nearby forest boundary. • Should be able to Geo-reference any raster data using Affine, Polynomial (first to tenth order), Linear Rubber Sheeting, Non-Linear Rubber sheeting. Automatic satellite Ephemeris parameter intake facility in geo-referencing, Reprojection. • Software should provide Raster handling tools like contrast, brightness, Colour balancing, transparency, gamma stretch, dynamic range adjustment, ignore background value, nadir top-up, contrast stretch, display resampling method, zoom to raster resolution, swipe layer, and flicker layer for Imagery management. • Should support 2D features to keep different 2D vector geometries like Line, Point and polygon as a single layer (feature class) or should have multilayer facilities. Should have editing facilities. • Software should provide tools for designing the schema and structure of geodatabases. Users can define feature classes, attribute domains, subtypes, relationship classes, and spatial indexes. They can establish rules, validations, and behaviors for maintaining data integrity. • Software must have an option to set distance unit, Angular Unit, Area Unit, Location Unit, Direction Unit, Page Unit, 2D and 3D Symbol unit. • Should have automatic Validate Geometry attributes and Fix Geometry, Validate Connectivity using All advanced editing capabilities. • The software should Simplify Line, Simplify Polygon, Simplify Shared Edges, Smooth Line, Smooth Polygon and Smooth Shared Edges. • Should support 3D view and display point cloud data. Ability to create and edit 3D features (terrain models, buildings, hydrological models, etc.) • The software should provide 3D analysis capabilities for Tree Height and Canopy Analysis, detailed topographical analysis, Surface Volume Analysis to estimate the biomass and volume of vegetation and TIN (Triangulated Irregular Network) Creation for terrain surface representation 		

Capability	Specifications	Compliance (Yes/ No)	Col. 4*
	<ul style="list-style-type: none"> • Create DEM/ DTM/ DSM from line and point data. Support for analyzing DEM, DTM and DSM. • Ability to import and export multiple 3D data formats like .3ds, .dae, .obj, .las etc. • Should have support for Cadastral features like: <ul style="list-style-type: none"> -Bearing and distances, transect plotting based on forest area notifications -Parcel mapping and Validation. -Parcel Numbering, split, join, label. -Relationships and rules • The software should include tools for managing forest land parcel lineage. As land transactions occur over time, more parcels become historic, and new child parcels are created. It's essential to establish a parent-child relationship between these parcels to accurately define their lineage. • Should have RDBMS Read Write Support for Access, SQL Server, PostgreSQL with PostGIS, Oracle etc. or intermediate connector/converter and export to Shape File (.shp), dwg, dxf, KML, KMZ etc. • It should be able to Connect and manage enterprise spatial databases, Create and modify dimensions, Perform specialized editing operations and Perform data validation checks. • Should support OGC data services like WCS, WMS, WFS, WMTS. Software should integrate with web data source in OGC format for displaying Geospatial data in the native viewer. • The software must support ISO standards of georeferenced PDF documents and that can be added as a raster layer to a map or scene. • The software should support Metadata management and should allow generation of reports of browsable schemas in various formats like excel, JSON, HTML or PDF. It should also allow import and export of metadata. • Software should have Schedule window, specify the task name, start date and time, recurrence, expiration, and other options for how and when the scheduled tool will run for automation practice to reduce the time of the project. 		
Handling Point Cloud, LiDAR, SAR data	<ul style="list-style-type: none"> • Must support formats like. las, .laz, etc. and offer tools for generating canopy height models, DTM, DSM from point cloud data. • The software must be able to View, manage and analyse lidar and other point clouds in LAS format natively and as a collection of files in a LAS dataset. The LiDAR or high-resolution satellite data will help to generate canopy height model, calculate biomass and canopy cover to analyse and visualize tree density and generate report. • Should have classification tools for separating vegetation, ground points and other features in LiDAR data sets. • Use deep learning to classify point clouds for specific real-world features or use one of the purpose-built classification tools to classify various earth features • Fusion of point cloud with Aerial photo/ drone / satellite Imagery, Bare earth DTM extraction from LiDAR data. • Edit point classification of lidar data using geoprocessing and interactive tools. For example, use profile viewing to manually classify selected points. • Should have support for industry standard SAR data. It should be able to visualize, geo-reference, orthorectify SAR data. • The software should be able to detect flood areas from SAR images and able to access Biomass from SAR images. The Biomass thus derived should be presented in form of .tiff format 		

Capability	Specifications	Compliance (Yes/ No)	Col. 4*
Remote Sensing & Image Analysis	<ul style="list-style-type: none"> • Should be able to generate LULC maps based on several satellite/ aerial/ drone/ LiDAR imagery. It should be able to combine different datasets to generate LULC. • Should be able to support Forest cover analysis, Species distribution modelling etc. • Provide automated Change Detection tool so that change between two or more georeferenced raster images can be identified and summarized in form of map, charts and tables. • Software should have facility to carry out Raster Mosaicking and Dynamic Mosaic Preview of output without creating a physical output file • Should have radiometry and algorithm-based change detection tools with automatic raster to vector conversion facility. • Should support Principal Component Analysis, convolution, non-directional, focal analysis, texture, adaptive filter, statistical filter, LUT stretch, histogram equalization, histogram matching etc. • Software should support standard image classification tools like K-Means, iso data etc. • Software should support Resolution Merge. • The software should have separate hyperspectral image processing tools like anomaly detection, target detection, material mapping along with a spectral comparison facility 		
Terrain & Hydrological Analysis	<ul style="list-style-type: none"> • The software should provide Flood simulation tools to create a model, on how water moves and accumulates in a scene. The user must adjust the scenario, such as increasing the rainfall or blocking a waterway, and see what impact it has on the results for all the Forest area such as KNP, MNP, Pobitora and other forest areas. • Tools to find most suitable plantation sites from a set of conditions. • Use engineering-quality TINs for demanding high-accuracy applications such as construction and volumetrics. • Create a terrain dataset from 3D points and break lines to update and maintain a surface over time. • Produce DEMs that include proper enforcement of water features like lakes and rivers. • Create surface derivative products, such as slope, aspect, and contours. 		
Spatial Analysis	<ul style="list-style-type: none"> • The software should have tools for Buffering, Overlay analysis, interpolation, Clustering to identify patterns in forest cover and species distribution. • The Density toolset of the software help to calculate the density of input features within a neighbourhood around each output raster cell. • The software should have option for Attribute Query, Spatial Query, Join, union, intersection, Buffer Zone (Merged and Unmerged), Analytical Merge, Analyzing Geometry, Native Query, Functional Attribute, Update the analysis dynamically as data changes for faster QA/QC of Vector data • Zonal tools to perform analysis when the output is a result of computations performed on all cells that belong to each input zone. • Multivariate statistical analysis tools for the exploration of relationships among many different types of attributes. • Software should be able to create statistics & perform various statistical operations, create charts and reports. Sort tables by multiple attributes, populate values based on expression and summarize data 		

Capability	Specifications	Compliance (Yes/ No)	Col. 4*
2D/3D Visualization and Modelling	<ul style="list-style-type: none"> • Should support 3D scenes like LiDAR derived 3D models, 3D Terrain surfaces to visualize multi layered forest structures and tree heights. • Software should have inbuilt tools to Display Real-Time Location Points from a GPS/GNSS Receiver, Dynamically Centre the Map on the Current GPS Point and Store GPS points in a Log File. The software should provide an accuracy buffer depicting the likelihood of the device being in the same location. • Should support 2D animations with time series data support and historical play back of event data • Software should have Infographics present key indicators and summarized information for locations through templates of interactive charts, tables, maps, and images. • The software should display any 3D georeferenced data source, including 3D models, vector feature data, raster's, point clouds, imagery and surfaces – all in the same view. • Should be able to view DEM/DTM/DSM as 3D surface; Should have drape facility of raster, vector and annotation on 3D surface; should have facility of fly through over 3D. • Software must have following functionalities to quickly create beautiful and informative smart maps based on Forestry data (Deforestation, LULC, Biomass, Canopy, Tree Density, Species). <ul style="list-style-type: none"> ○ Data-driven visualizations and Dynamic visualizations. ○ Should be able to generate dashboard to display real time updates ○ Cartographic intelligence is built into the map styles. ○ Smart workflows for intelligently guided map creation 		
Scripting & Automation	<ul style="list-style-type: none"> • Software should support Python to automate workflows for repetitive tasks. Should also support statistical models with R. Should provide extensive training support for writing automation codes in Python and R. • Ability to create Geoprocessing models and workflows for repetitive operations (change detection, growing stock estimation etc.) with no code or less code with training support. 		
Data Science/ AI/ ML/Deep Learning Capabilities	<ul style="list-style-type: none"> • Department wants Deep learning Model for Plantation monitoring, Canopy Density Estimation, Tree Enumeration, Tree species identification and Mapping Tree species Extent (Agar, Bamboo etc.), Wildlife species Identification, Plantation Landbank Identification, Forest Health Monitoring, Encroachment Detection etc. Due to this software must provide following deep learning capabilities: <ul style="list-style-type: none"> ○ Convolutional neural networks or deep learning models to detect objects, classify objects, or classify image pixels. ○ Use a model definition file multiple times to detect change over time or detect objects in different areas of interest. ○ Generate a polygon feature class showing the location of detected objects to be used for additional analysis or workflows. ○ Most importantly, should either possess pre trained models for all of the above use cases in Assam's context or provide extensive training support for enabling users to train custom models using frameworks like TensorFlow and PyTorch on the above use cases in Assam's context. • Software should have data Science and data engineering tools to explore, visualize, clean, and prepare your missing forestry related data and interpreting that data to find insights and patterns. 		
Cloud Integration	<ul style="list-style-type: none"> • Support for Cloud based GIS services like team collaboration, sharing of data, maps, and analysis results through web-based applications 		

Capability	Specifications	Compliance (Yes/ No)	Col. 4*
Security	<ul style="list-style-type: none"> Desktop Software needs to maintain all the following Security considerations. <ul style="list-style-type: none"> Protecting sensitive data User authentication and authorization Guarding against attack from malicious code and users Auditing and logging events as well as user activity. 		
Support	<ul style="list-style-type: none"> License should be perpetual in nature and all software license should have same capability of functionality or level OEM must provide Regular software updates (New Software Releases, Service Packs & Patches.) to ensure the access of latest geospatial technology and security patches. The OEM should provide wide ranging training videos and e-learning support about different tools, functionalities, customized developments etc. with 24*7*365 access. The OEM should have active online community engagement forum that can assist with troubleshooting when required. The OEM should have email & Toll-Free number where the user can call to log tickets for support related to software licenses and products. OEM must provide a Phone and online support from Monday to Friday, 9 AM to 5:30 PM IST. 		

3. Specifications for Desktop GIS Software with image handling capability including Drone image processing capability

Capability	Specifications	Compliance (Yes/ No)	Col 4*
Handling 2D, 3D, Large dataset and Raster, Vector data	<ul style="list-style-type: none"> Should support raster data such as high-resolution satellite images, aerial photo, drone imagery, DEMs, and vector data. The software should be of minimum 64-bit, multi-threaded application. It would be powerful processing and upgraded display engine allow for faster analysis and rendering. The software must be able to create a single Forest Division, Range wise project name, which will contain that area related Maps and scenes, Layouts containing map frames and map, Toolboxes containing models and scripts, Connections to folders, databases, servers, styles, and other resources. Should provide complete geoprocessing history in project pane for testing and/or audit purpose to know which tool and its parameters used for any analysis. Projects can be packaged in a few clicks into a convenient format that's shareable via the cloud or as a file which must include "Maps, Scenes, and Basemaps, Layouts, Reports, Attachments, Styles, Tasks, Locators, Presentations etc." for secure internal and external data sharing purpose. The Software must take an automatically back up of your open project at an interval specified in minutes. User work is not interrupted, or the performance is not slowed down during the backup process. The software would be prompted to sign in when you launch the application. Enter your organizational account credentials, which typically include your username and password to protect the Department crucial data. Software should provide Online Access of high-resolution Imagery base map services and should allow running deep learning/AI/ML object detection models on these basemaps, for change detection. The software should be able to access freely available LULC services (like Sentinel 2 etc.) for past few years and create maps 		

Capability	Specifications	Compliance (Yes/ No)	Col 4*
	<p>using these to monitor the changes in the forest area.</p> <ul style="list-style-type: none"> • The software should provide free base map Services (OSM, High Resolution Imagery, Topographic etc.). The base maps should also be viewable without internet also. • The software should provide GIS data, such as demographic data, Rural Road Data, Population projection data, School and Health centre data, other government department data, pin code boundaries, and administrative boundaries of India, as web layer services for further analysis to understand the community profile around the forests and possible encroachment threat nearby forest boundary. • Should be able to Georeferenced any raster data using Affine, Polynomial (first to tenth order), Linear Rubber Sheeting, Non-Linear Rubber sheeting. Automatic satellite Ephemeris parameter intake facility in geo-referencing, Reprojection. • Software should provide Raster handling tools like contrast, brightness, Color balancing, transparency, gamma stretch, dynamic range adjustment, ignore background value, nadir top-up, contrast stretch, display resampling method, zoom to raster resolution, swipe layer, and flicker layer for Imagery management. • Should support 2D features to keep different 2D vector geometries like Line, Point and polygon as a single layer (feature class) or should have multilayer facilities. Should have editing facilities. • Software should provide tools for designing the schema and structure of geodatabases. Users can define feature classes, attribute domains, subtypes, relationship classes, and spatial indexes. They can establish rules, validations, and behaviors for maintaining data integrity. • Software must have an option to set distance unit, Angular Unit, Area Unit, Location Unit, Direction Unit, Page Unit, 2D and 3D Symbol unit. • Should have automatic Validate Geometry attributes and Fix Geometry, Validate Connectivity using All advanced editing capabilities. • The software should Simplify Line, Simplify Polygon, Simplify Shared Edges, Smooth Line, Smooth Polygon and Smooth Shared Edges. • Should support 3D view and display point cloud data. Ability to create and edit 3D features (terrain models, buildings, hydrological models, etc). • The software should provide 3D analysis capabilities for Tree Height and Canopy Analysis, detailed topographical analysis, Surface Volume Analysis to estimate the biomass and volume of vegetation and TIN (Triangulated Irregular Network) Creation for terrain surface representation • Create DEM/ DTM/ DSM from line and point data. Support for analyzing DEM, DTM and DSM. • Ability to import and export multiple 3D data formats like .3ds, .dae, .obj, .las etc. • Should have support for Cadastral features like: <ul style="list-style-type: none"> -Bearing and distances, transect plotting based on forest area notifications -Parcel mapping and Validation. -Parcel Numbering, split, join, label. -Relationships and rules • The software should include tools for managing forest land parcel lineage. As land transactions occur over time, more parcels become historic, and new child parcels are created. It's essential to establish a parent-child relationship between these 		

Capability	Specifications	Compliance (Yes/ No)	Col 4*
	<p>parcels to accurately define their lineage.</p> <ul style="list-style-type: none"> • Should have RDBMS Read Write Support for Access, SQL Server, PostgreSQL with PostGIS, Oracle etc. or intermediate connector/converter and export to Shape File (.shp), dwg, dxf, KML, KMZ etc. • It should be able to Connect and manage enterprise spatial databases, Create and modify dimensions, Perform specialized editing operations and Perform data validation checks. • Should support OGC data services like WCS, WMS, WFS, WMTS. Software should integrate with web data source in OGC format for displaying Geospatial data in the native viewer. • The software must support ISO standards of georeferenced PDF documents and that can be added as a raster layer to a map or scene. • The software should support Metadata management and should allow generation of reports of browsable schemas in various formats like excel, JSON, HTML or PDF. It should also allow import and export of metadata. • Software should have Schedule window, specify the task name, start date and time, recurrence, expiration, and other options for how and when the scheduled tool will run for automation practice to reduce the time of the project. 		
Handling Point Cloud, LiDAR, SAR data	<ul style="list-style-type: none"> • Must support formats like .las, .laz, etc. and offer tools for generating canopy height models, DTM, DSM from point cloud data. • The software must be able to View, manage and analyse lidar and other point clouds in LAS format natively and as a collection of files in a LAS dataset. The LiDAR or high-resolution satellite data will help to generate canopy height model, calculate biomass and canopy cover to analyse and visualize tree density and generate report. • Should have classification tools for separating vegetation, ground points and other features in LiDAR data sets. • Use deep learning to classify point clouds for specific real-world features or use one of the purpose-built classification tools to classify various earth features • Fusion of point cloud with Aerial photo/ drone / satellite Imagery, Bare earth DTM extraction from LiDAR data. • Edit point classification of lidar data using geoprocessing and interactive tools. For example, use profile viewing to manually classify selected points. • Should have support for industry standard SAR data. It should be able to visualize, geo-reference, orthorectify SAR data. • The software should be able to detect flood areas from SAR images and able to access Biomass from SAR images. The Biomass thus derived should be presented in form of .tiff format 		
Remote Sensing & Image Analysis	<ul style="list-style-type: none"> • Should be able to generate LULC maps based on several satellite/ aerial/ drone/ LiDAR imagery. It should be able to combine different datasets to generate LULC. • Should be able to support Forest cover analysis, Species distribution modelling etc. • Provide automated Change Detection tool so that change between two or more geo referenced raster images can be identified and summarized in form of map, charts and tables. • Software should have facility to carry out Raster Mosaicking and Dynamic Mosaic Preview of output without creating a physical output file • Should have radiometry and algorithm-based change detection tools with automatic raster to vector conversion facility. 		

Capability	Specifications	Compliance (Yes/ No)	Col 4*
	<ul style="list-style-type: none"> • Should support Principal Component Analysis, convolution, non-directional, focal analysis, texture, adaptive filter, statistical filter, LUT stretch, histogram equalization, histogram matching etc. • Software should support standard image classification tools like K-Means, iso data etc. • Software should support Resolution Merge. • The software should have separate hyperspectral image processing tools like anomaly detection, target detection, material mapping along with a spectral comparison facility 		
Terrain & Hydrological Analysis	<ul style="list-style-type: none"> • The software should provide Flood simulation tools to create a model, on how water moves and accumulates in a scene. The user must adjust the scenario, such as increasing the rainfall or blocking a waterway, and see what impact it has on the results for all the Forest area such as KNP, MNP, Pobitora and other forest areas. • Tools to find most suitable plantation sites from a set of conditions. • Use engineering-quality TINs for demanding high-accuracy applications such as construction and volumetrics. • Create a terrain dataset from 3D points and break lines to update and maintain a surface over time. • Produce DEMs that include proper enforcement of water features like lakes and rivers. • Create surface derivative products, such as slope, aspect, and contours. 		
Spatial Analysis	<ul style="list-style-type: none"> • The software should have tools for Buffering, Overlay analysis, interpolation, Clustering to identify patterns in forest cover and species distribution. • The Density toolset of the software help to calculate the density of input features within a neighbourhood around each output raster cell. • The software should have option for Attribute Query, Spatial Query, Join, union, intersection, Buffer Zone (Merged and Unmerged), Analytical Merge, Analyzing Geometry, Native Query, Functional Attribute, Update the analysis dynamically as data changes for faster QA/QC of Vector data • Zonal tools to perform analysis when the output is a result of computations performed on all cells that belong to each input zone. • Multivariate statistical analysis tools for the exploration of relationships among many different types of attributes. • Software should be able to create statistics & perform various statistical operations, create charts and reports. Sort tables by multiple attributes, populate values based on expression and summarize data 		
2D/ 3D Visualization and Modelling	<ul style="list-style-type: none"> • Should support 3D scenes like LiDAR derived 3D models, 3D Terrain surfaces to visualize multi layered forest structures and tree heights. • Software should have inbuilt tools to Display Real-Time Location Points from a GPS/GNSS Receiver, Dynamically Centre the Map on the Current GPS Point and Store GPS points in a Log File. The software should provide an accuracy buffer depicting the likelihood of the device being in the same location. • Should support 2D animations with time series data support and historical play back of event data • Software should have Infographics present key indicators and summarized information for locations through templates of interactive charts, tables, maps, and images. • The software should display any 3D georeferenced data source, 		

Capability	Specifications	Compliance (Yes/ No)	Col 4*
	<p>including 3D models, vector feature data, raster's, point clouds, imagery and surfaces – all in the same view.</p> <ul style="list-style-type: none"> • Should be able to view DEM/DTM/DSM as 3D surface; Should have drape facility of raster, vector and annotation on 3D surface; should have facility of fly through over 3D. • Software must have following functionalities to quickly create beautiful and informative smart maps based on Forestry data (Deforestation, LULC, Biomass, Canopy, Tree Density, Species). <ul style="list-style-type: none"> ○ Data-driven visualizations and Dynamic visualizations. ○ Should be able to generate dashboard to display real time updates ○ Cartographic intelligence is built into the map styles. ○ Smart workflows for intelligently guided map creation 		
Scripting & Automation	<ul style="list-style-type: none"> • Software should support Python to automate workflows for repetitive tasks. Should also support statistical models with R. Should provide extensive training support for writing automation codes in Python and R. • Ability to create Geoprocessing models and workflows for repetitive operations (change detection, growing stock estimation etc.) with no code or less code with training support. 		
Data Science/ AI/ ML/Deep Learning Capabilities	<ul style="list-style-type: none"> • Department wants Deep learning Model for Plantation monitoring, Canopy Density Estimation, Tree Enumeration, Tree species identification and Mapping Tree species Extent (Agar, Bamboo etc.), Wildlife species Identification, Plantation Landbank Identification, Forest Health Monitoring, Encroachment Detection etc. Due to this software must provide following deep learning capabilities: <ul style="list-style-type: none"> ○ Convolutional neural networks or deep learning models to detect objects, classify objects, or classify image pixels. ○ Use a model definition file multiple times to detect change over time or detect objects in different areas of interest. ○ Generate a polygon feature class showing the location of detected objects to be used for additional analysis or workflows. ○ Most importantly, should either possess pre trained models for all of the above use cases in Assam's context or provide extensive training support for enabling users to train custom models using frameworks like TensorFlow and PyTorch on the above use cases in Assam's context. • Software should have data Science and data engineering tools to explore, visualize, clean, and prepare your missing forestry related data and interpreting that data to find insights and patterns. 		
Cloud Integration	<ul style="list-style-type: none"> • Support for Cloud based GIS services like team collaboration, sharing of data, maps, and analysis results through web-based applications 		
Security	<ul style="list-style-type: none"> • Desktop Software needs to maintain all the following Security considerations. <ul style="list-style-type: none"> ○ Protecting sensitive data ○ User authentication and authorization ○ Guarding against attack from malicious code and users ○ Auditing and logging events as well as user activity. 		
Drone Imagery Processing	<ul style="list-style-type: none"> • It should allow creation of ortho-mosaic, DEM, DSM, 3D Point Cloud, textured meshes etc. and detailed processing report. • Should include tools for terrain extraction, contour generation and volumetric analysis. • It should have ready templates for 2D and 3D data processing and inspection-oriented imagery solutions. • It should support ingesting the geo-tagged photos directly. • It must be able to Create an ortho mapping workspace for 		

Capability	Specifications	Compliance (Yes/ No)	Col 4*
	<p>drone imagery with Geolocation, Camera Model, and initial height reference for computing the block adjustment. Also provide a summary tool to display an Adjustment Report for Review. This is crucial for the accurate creation of DEM, DSM, orthophotos, and other related outputs.</p> <ul style="list-style-type: none"> • Should Build a stereo model of a mosaic dataset, based on a user-provided stereo pair. • Should support automatic image stitching, should perform camera calibration to correct distortion and manage camera parameters to improve accuracy. • Should support geo-referencing of drone imagery and GCP integration and RTK/ PPK data integration. • Should perform auto alignment of images based on GNSS meta data. • It should support processing multispectral drone images and able to generate and analyze various vegetation indices such as NDVI, GNDVI, NDRE etc. • It should support importing and processing with GCPs (Ground Control Points) and Check points as .txt and .csv files in different coordinate systems. • It should support processing thermal images and able to generate thermal maps and perform temperature analysis for application like monitoring wildfire, shifting cultivation and flood. • It should support batch processing and mosaic tiling to process multiple projects in sequence and prioritize projects to finish first. • It should provide access to Online 2D, Street, Base map, Terrain, Imagery and Hybrid Imagery services for location reference and options to change it. • It should have feature to support publishing imagery as tile and image service on the Enterprise GIS • Should provide API, model development or scripting support to create custom workflows needed for automating repetitive tasks. • Should have user friendly interface and visualization tools for 3D models, orthomosaics and terrain models. • The Project file of the drone data process generated should be opened directly on the above-mentioned desktop GIS software. 		
Support	<ul style="list-style-type: none"> • License should be perpetual in nature and all software license should have same capability of functionality or level • OEM must provide Regular software updates (New Software Releases, Service Packs & Patches.) to ensure the access of latest geospatial technology and security patches. • The OEM should provide wide ranging training videos and e-learning support about different tools, functionalities, customized developments etc. with 24*7*365 access. • The OEM should have active online community engagement forum that can assist with troubleshooting when required. • The OEM should have email & Toll-Free number where the user can call to log tickets for support related to software licenses and products. • OEM must provide a Phone and online support from Monday to Friday, 9 AM to 5:30 PM IST. 		

Note:

The client wants software which meet all the above specifications under all the capabilities. The bidder ideally should meet all the specifications against all the capabilities by means of “Yes” against each individual specification under each capability. In case there is a “No” against any specification requirement in any capability and the bidder is in position to offer an equivalent or better specification against that requirement, then the bidder may do so by entering

the specification and reasoning for the same by adding a Column 4* for consideration of the client. The client reserves the right to accept or reject the offered specification.

4. Database Management System Specifications

Component	Description
DBMS	SQL Server Standard Edition 2022 with Windows Server 2022 (Perpetual License) to run on a Virtual Machine in the Cloud.

5. Workstations and Monitor Specifications

Component	Description
Workstation	
Processor	AMD Ryzen 9 9900 / Intel Core i9-13900 / equivalent or better; VR Heatsink, CPU heat sink, if required.
Chassis Options	SFF/ Tower
Memory	64GB, DDR 5 or above
Graphics	Nvidia RTX A4000 16GB or equivalent, 4 mDP to DP adapter
Storage configuration	NVMe SSD 1 TB or equivalent
Standard LED Monitor	
Screen Size	27 Inches
Screen Resolution	Full HD (1920 x 1080 pixels); IPS Anti-Glare Display; 300 nits Brightness,
Aspect Ratio	16:9; 178° Horizontal and Vertical Viewing Angle; Height Adjustable Stand; Tilt, Swivel, Pivot Ergonomic Design
Mounting Type	Desk Mount
Connector and Port	Should support HDMI/Display port
Others	
Keyboard	Multimedia Wired Keyboard
Mouse	Wired Mouse
Power Cord	System Power Cord India 6A
Internal Speakers	Internal Speaker
TPM Security	Y
Certifications	BEE Star Rating
Thermal Cooling	Standard CPU Air Cooler
Operating System	Windows 11 Pro or higher, English (64bit)
Support Services	Next Business Day Onsite, 36 Month(s)
Antivirus software	Single enterprise license with 3-year subscription covering all 4 desktops

6. Video Wall Specification

Component	Description
HDMI, DisplayPort, or DVI Inputs	Ensure multiple inputs for connecting high-definition sources.
Refresh rate	60Hz or more
Viewing Angle	178°/178°
Display Configuration	A 2X2 indoor video wall made of 55-inch 4K UHD LCD panels with ultra-thinbezels (0.8mm or less).
Controller	<p>A video wall controller capable of handling multiple 4K data streams.</p> <p>There will be up to 4 inputs, from the Video Bar, and from workstations.</p> <p>The 4 input streams should be assigned to different panels. If there are fewer streams, then it must be possible to assign streams to multiple panels. In particular, when there is one stream it should be possible to use all 4 panels for the output.</p> <p>Connectivity hardware and cables to connect all the 4 inputs mentioned above, must be provided. This will depend on the features of the controller.</p> <p>Should support at least Full HD (1920 x 1080) per screen. Ideally, it should</p>

	also support 4K resolution output to ensure compatibility with modern displays and future scalability.
Brightness	500 nits.
Software	Video wall management software for layout and content control.
Network Connectivity	1 Gbps Ethernet
Speakers	5-Watt x 2
Certifications	BEE Star Rating
Aspect Ratio	16:9

7. Video Bar Specifications

Video Bar
<ul style="list-style-type: none"> • To be used for video conferencing • To support VC systems such as Zoom and Teams etc. • 4K camera, 120 degree FOV or better. • Noise cancelling Microphone with coverage range 10-20 feet • Connectivity: 1Gbps Ethernet, USB, HDMI • Cables: 5-meter USB Type-A to Type-C, Ethernet, HDMI • Power Adaptor

8. Storage solution Specifications

Network Attached Storage (NAS)	Requirement
CPU: Xeon Silver 4410Y / AMD EPYC 7371 / equivalent or better; with Heat Sink and Fan	1
DDR5 ECC RAM	64 GB
Operating System for offered hardware, with 10 user licences	Windows Server 22 Standard Edition
Rack Mountable	Yes
Network Connection: Ethernet 10Gb BASE-T / SFP+ Adapter	2
Protocol Support	NFS,SMB
RAID	RAID 5
Usable storage space (adding for RAID redundancy) using NVMe SSD drives in RAID 5 mode; Each drive maximum size is 3.5 TB; Controller with RAID support (software or hardware)	20 TB
Maximum Storage Expansion possible	40 TB
On Site OEM Warranty	3 Years Standard
Scope of supply	This includes installation, commissioning & integration together with all necessary software to make the system fully functional as intended.

9. Internet Connectivity

Broadband/Internet Leased Line – 3-year plan with 1 Gbps.

10. Large format Multi-functional Plotter cum Scanner Specifications

Features	
Functions	Print, copy, scan
Print Technology	Thermal Inkjet
Print Languages	Adobe PostScript 3, Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4





Features	
Supported	
Max. Print Width	914 mm (36-Inch)
Line Accuracy	±0.1%
Print Speed	At least 180 A1/hour (3 A1/min)
Print Quality Color (Best)	Up to 2400 x 1200 optimized dpi.
Printing Path	Direct printing from USB flash drive, print from network shared folder, email printing, Driver for Windows, Print Service for Android, Apple Air Print driver for macOS and iOS, Print for Chrome OS
Printer Drivers Included	PostScript and PDF Windows drivers, raster drivers for Windows, Air Print for macOS.
Internal Storage	Standard, 500 GB (AES-256 encrypted)
Memory	128 GB (file processing)
Scanner Type	Sheetfed, CIS (Contact Image Sensor)
Scan File Format	JPEG, TIFF and multipage TIFF, PDF and multipage PDF
Scan Input Modes	USB, shared network folder, printer HDD, email
Maximum Scan Length	164 Ft (for PDF)
Scan Speed	Upto 3-in/sec (Color) Upto 10-in/sec (grayscale)
Scan Resolution (Optical)	Up to 600 dpi
Copy Reduce / Enlarge Settings	25 to 400%, at 1% increment.
Connectivity (Standard)	Gigabit Ethernet (1000Base-T), Wi-Fi (with optional Jet direct accessory)
Network Ready	Standard
Number of Print Cartridges	6 (cyan, gray, magenta, matte black, photo black, yellow)
Print Cartridge Volume Delivered	300 ml or more
Print Heads	1 (C, M, Y, G, mK, pK)
Ink Droplet size	6 pl (C, M, Y, G, pK); 9 pl (mK)
Finished Output Handling	Sheet feed, spindle-less drawers, two automatic front-loading roll feeds, smart roll switching, integrated output stacker, media bin, automatic horizontal cutter; Scanner: straight-through scan paper path for sheet and cardboard originals
Media Sizes Supported	A4, A3, A2, A1, A0
Media Sizes, Custom	210 x 279 to 914 x 1219 mm
Media Sizes Standard (Metric Rolls)	279 to 914-mm width, up to 200-m length, 3-in core (default)
Media Width,	914 mm




Features	
Maximum	
Media Weight, Recommended	60 to 328 g/m ²
Media Thickness	Up to 19.7 mil
Roll External Diameter	180 mm, Roll Maximum Input: 2, Roll Maximum Weight: 15 kg
Supported Primary Applications	Line drawings; Maps; Orthophotos; Presentations. Renderings.
ENERGY STAR® Certified	Yes
Environmental Certifications	BEE Star Rating;

11. Multi-functional Printer Specifications

Features	
Printer Type	Laser
Features	Print, Scan, Copy, Duplex, ADF
Paper Size Support	A3, A4, Legal
Scanning	<ul style="list-style-type: none"> At least 600 x 600 dpi; higher resolutions are preferable Scan-to-Email and Scan-to-Cloud options
Print Speed	A4 (at least 20-30 pages per minute); A3 (at least 10-15 pages per minute)
Print Resolution	General text printing (1200 x 1200 dpi); High Quality images (2400 x 1200 dpi)
Connectivity	USB and 1 Gbps Ethernet
Duplex Printing	Yes
BEE Star certification	Yes

12-15. Furniture Specifications

Features	
Chairs	Make equivalent to Featherlite /Godrej/ SPACEWOOD/ Herman Glide Medium Back ergonomical computer chair
 <p style="font-size: 24px; font-weight: bold; color: black; background-color: yellow; display: inline-block; padding: 5px;">ILLUSTRATIVE</p>	
Tables	Make equivalent to Featherlite /Godrej/ Spacewood/ Herman Miller
 <p style="font-size: 24px; font-weight: bold; color: black; background-color: yellow; display: inline-block; padding: 5px;">ILLUSTRATIVE</p>	
Executive Table	Make equivalent to Godrej/ Durain/ Mobil
 <p style="font-size: 24px; font-weight: bold; color: black; background-color: yellow; display: inline-block; padding: 5px;">ILLUSTRATIVE</p>	
Executive Chair	Make equivalent to Godrej/ Nilkamal/ Featherlite/ Herman Miller
 <p style="font-size: 24px; font-weight: bold; color: black; background-color: yellow; display: inline-block; padding: 5px;">ILLUSTRATIVE</p>	

Features	
Executive Sofa	Make equivalent to Godrej/ Durain/ Featherlite/ Nilkamal
	
Round Collaboration table with 5 chairs	Make equivalent to Godrej/ Durain/ Featherlite/ Nilkamal
	
Wardrobe	Make equivalent to Godrej/ Durain/ Featherlite/ Nilkamal
	

16. CCTV Camera Specifications

Features	
CCTV Camera System	
Resolution	<ul style="list-style-type: none"> Indoor - Full HD (1080p) Outdoor - Full HD (1080p) or higher (4K)
Type	Metal Body
Connectivity Technology	Wireless
Features	Day/Night Vision Colour Camera, Wide Angle
Built-in Mic	Yes
Resolution	Equivalent to 8 MP or more
Field of view	Allow to capture broad areas or zoom in for greater details (desirable 30° to 100°)
Functionality	Automatically switches between full-color video during the day and black-and-white infrared video at night
Certifications	ISO 27001, ONVIF, NDAA compliant, BIS certification
Output Specifications	HDMI Output, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz

Weather Resistance	<ul style="list-style-type: none"> Waterproof / Weatherproof For Outdoor - IP65/IP66/IP67 Rating
NVR	
Channel	16
Resolution	4K, capable of supporting 4K UHD cameras
Connectivity Technology	VGA, USB, HDMI
Memory Storage Capacity	10 TB
Support Multi-brand network cameras	Yes

17. Air Conditioner Specifications

Features	
Type	Split AC
Capacity	2 Tons
Condenser Coil	100% copper
Compressor Type	Inverter Compressor
Refrigerant Type	R32 or R410A
Certifications	BEE star rating (5 Star), BIS (IS 1391), IP rating

18. Smart Rack Specifications

Type of rack	Smart Rack
Size of Rack Enclosure	27U
Mount Type	Free-Standing
If Seismic Racks, Earthquake zones (Not applicable for Smart Rack, Self contained cabinets)	NA as Smart Rack / Self-Contained Cabinets
Front glass Door	Yes
Type of glass used in front door	Transparent Toughened Glass
Provision of rear door	Yes
Material used for rear door	CRCA
Rear door thickness in mm	2
Rear split door design	Yes
Doors with Perforation	Rear
Side Panels With Key Locks and Slam Latch	Yes
Dust or water resistant	Yes
Cable channel in rear side for cable management	Yes
Support cable entry from top or bottom	Yes
Vertical and Horizontal managers	Yes
Number of Rack trays	4
Number of cooling Fan For Heat dissipation	2
Number of fan trays	2
Heavy Duty Caster Wheels	Yes with front break options
Load Bearing Capacity (Kgs)	200 kilogram

Type of rack	Smart Rack
Secure Locks	Yes
Power of Cooling Unit (kW)	1
KVM (Monitor, Keyboard, Mouse with 8 port)	1
Certifications	ISO 27001, SOC2, ISO 14001, BEE Star Rating, IP rating
PDU Power Strips	Available
If Available, number of power Strips	2

19. Integrated Network and Security Hardware Appliance Specifications

Appliance capability	Integrated appliance for Routing, Firewalling, L3, L2 Switching, Wireless Routing
Interfaces	4 x 10 Gigabit Ethernet, 16 x 1 Gigabit Ethernet interface, 2 Management port 10/100/1000
VLAN	1024
Scalability	VPN clustering and load balancing
HA	Active/active and Active/standby
Redundant power	Supported second power supply optional
USB ports	2
Serial ports	1 RJ-45, console and auxiliary
Rack mountable	Yes
L3 Routing, L2 Switching	Should support industry standard protocols
Integrated Wireless Access Point	Min. 20 clients
DHCP	Inbuilt feature to support min. 100 lease connections
Stateful inspection FW throughput (maximum)	500 Mbps
Stateful inspection throughput (multiprotocol)	250 Mbps
Concurrent firewall connections	300
Firewall connections per second	100
Authentication	AD agent, LDAP, Kerberos, NTLM
Advanced Encryption Standard (3DES/AES) VPN throughput	100 Mbps
IPSec VPN throughput	100 Mbps
IPsec site-to-site and IPSec IKEv1 client VPN sessions	Up to 100
Throughput: Application Control (AVC) and IPS	100 Mbps
Threat Prevention throughput	100 Mbps
Certifications	BEE Star Rating, ISO 27001, RoHS/ISO 14001, IP rating

20. UPS Specifications

Online Smart UPS Rack Mounted	
Type	Modular online UPS with inbuilt battery
Rating in KVA	5KVA
Waveform Type	Sine wave

Switching Technology	IGBT-PWM
Input Voltage	AC Single phase 160V - 260V 50Hz
Output Voltage	AC Single phase 230V +/-1% 50 Hz
On-Site Manufacturer Warranty for UPS (Years)	2
Battery/Backup Bank Provided with Online UPS	Lithium Ion / SMF
Backup time	45 min
Warranty for battery(Years) by Battery Manufacturer/Brand	1
Type of Design /Construction	Floor Standing
Degree of Protection	IP21
Other Constructional Features	Mains On/Off MCB
Certifications	BEE Star Rating, IEC standard for batteries
Interface Port(s)	DB-9 RS-232/RJ-45 1000 Base-T

21. Miscellaneous

List of Goods & Services and the Delivery Schedule to be referred for details

22. Furnishings/Fittings

List of Goods & Services and the Delivery Schedule to be referred for details

23. GIS Analyst (Manpower)

Qualifications	Responsibilities
<ul style="list-style-type: none"> • First Class Master's degree in Geo- informatics / GIS/Remote Sensing / Spatial Technology/ EarthScience/equivalent OR • First-class B.E or B.Tech. in Computer Science / IT/ Geo-informatics • Working knowledge of latest version of market leading proprietary GIS and Image processing software. • 5 Years of experience in Geospatial analysis with reputed Institutions • Working Knowledge of Spatial Analysis, Image Analysis, Geo-Referencing, Digitization and Geo-Data Base Management. 	<ul style="list-style-type: none"> • Overall responsible for upkeep of all hardware and software with the lab. • Data entry of the department data into the various mobile applications and dashboards, under the over-all direction of the System Integrator & departmental officials. • Generate LULC maps/Forest Cover maps/drone imagery maps/other maps • Generate regular reports on forest cover change, encroachments, fire incidences, deforestation, wildlife sightings etc. from the information received either from the updates in the GIS software or from the apps/drone sensors • Carry out any other GIS work required by the Forest department.

Technical Specifications (Compliance Sheet)

Bidder must mandatorily fill the last column for bid to be eligible.

Sl.	Description of Goods (for each of the goods supporting documents, certifying minimum specifications as mentioned in the Schedule VII, above must also be supplied)	Quantity	Physical unit	OEM Make/Model No. (Product meeting desired specifications proposed to be supplied by the Bidder)
1	Enterprise GIS Software (1 License) with Image handling capability including drone image processing capability (with 2 years AMC after 1 st year)	1	1	
2	Desktop GIS Software (2 floating license) with Image handling capability (with 2 years AMC after 1 st year)	2	2	
3	Desktop GIS Software (1 floating license) with Image handling capability including drone image processing capability (with 2 years AMC after 1 st year)	1	1	
4	SQL Server Standard Edition 2022 with Windows Server 2022 (Perpetual License)	2	2	
5	Workstations - High performance computers with 2x 27" screens (with 3 years warranty)	4	4	
6	Video Wall 2x2 with 55" screens (with 3 years warranty)	1	1	
7	Video Bar (with 3 years warranty)	1	1	
8	Storage solution - NAS device with 20TB (with 3 years warranty)	1	1	
9	Internet Connectivity - Broadband/ Internet Leased line(3 years plan with 1 Gbps speed)	1	1	
10	Large format Multi-functional Plotter cum scanner (with 3 years warranty)	1	1	
11	Multi-functional printer (A4, A3 paper size with 3 years warranty)	2	2	
12	Furniture - Ergonomically designed chairs and tables	4	4	
13	Furniture - Executive table, 2 chairs and sofa (twin seater)	1 set	1 set	
14	Furniture - Round Collaboration table with 5 chairs	1 set	1 set	
15	Furniture - wardrobe of dimension of 7 feet (height)X3 feetX2 feet	2	2	
16	CCTV Camera - Bullet Camera with NVR (with 3 years warranty)	1 Outside/ 3 Inside	1 Outside/ 3 Inside	
17	Air Conditioner set 2 Tons each (5-star rating)	2	2	
18	Smart Rack 27U size (for NAS,Video Matrix Switcher, Integrated network and security appliance, UPS, etc.) with 3-years warranty	1	1	
19	Integrated network and security hardware appliance to manage firewalling, routing, switching and wireless access (WiFi) (with 3 years warranty)	2	2	
20	UPS (with 3 years warranty)	1	1	
21	Manpower Support (GIS Analyst)	2	2	Available/Not available

Declaration by the Bidder:

We _____ (Bidder Name) _____ declare that we have understood the scope of work of the GIS Lab set-up, the software, hardware and all other related requirements. We certify that we shall provide the all the goods and related services mentioned above and in the “List of goods and Delivery Schedule” at the desired minimum specifications contained in this schedule of requirements. We declare and affirm that the OEM and product models suggested by us, meet the specifications mentioned in the schedule of requirements and we have contacted the OEMs and received their willingness to supply to us in event of a favorable bid. To this end, we hereby put our seal and signature to confirm this undertaking. We understand that any false representation of specifications on our part shall lead to cancellation of our bid.

Seal and Signature of the Bidders' Authorized Representative

3. Drawings

(This Bidding Documents includes no drawings)

4. Inspections and Tests

The inspections and tests shall be performed post-delivery.

5. List of Related Services and Completion Schedule

[This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates]

Service	Description of Service	Quantity	Place where Services shall be performed	Final Completion Date(s) of Services
1	Testing and handover: The supplier will open the package in front of Purchaser's personnel and all the hardware parts and inventory will be fitted, installed and commissioned as per the layout plan submitted by the successful bidder and approved by the PD, APFBCS. All the softwares, licenses, equipment shall be installed and commissioned/deployed to the satisfaction of the PD, APFBCS or his representative.	Per No./ Per Unit	Guwahati	Installation and commissioning to be completed within 15 days of delivery of items
2	Manpower Provisioning for GIS Lab within 15 days of setting up the Lab.	2	Guwahati	Within 15 days of setting up the Lab.
3	Detailed Standard Operating Procedure (SOP) document and training for the smooth functioning of the lab, including trouble-shooting of the various equipment (including FAQ) and User manual(s) of the supplied Goods;	Per No./ Per Unit	Guwahati	Within one month of setting up of the Lab.

PART 3- Contract

Section VIII – General Conditions of Contract

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Section VIII. General Conditions of Contract

- 1. Definitions**
- 1.1 The following words and expressions shall have the meanings hereby assigned to them:
- (a) "AFD" means the Agence Française de Développement;
 - (b) "Contract" means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein;
 - (c) "Contract Documents" means the documents listed in the Contract Agreement, including any amendments thereto;
 - (d) "Contract Price" means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract;
 - (e) "Day" means calendar day;
 - (f) "Completion" means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract;
 - (g) "GCC" means the General Conditions of Contract;
 - (h) "Goods" means all of the commodities, raw material, machinery and IT and related equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract;
 - (i) "Purchaser's Country" is the country specified in the Special Conditions of Contract (SCC);
 - (j) "Purchaser" means the entity purchasing the Goods and Related Services, as specified in the SCC;
 - (k) "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract;
 - (l) "SCC" means the Special Conditions of Contract;
 - (m) "Subcontractor" means any natural person, private or state entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier;
 - (n) "Supplier" means the natural person, private or state entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement;
 - (o) "The Project Site," where applicable, means the place named in the SCC.
- 2. Contract Documents**
- 2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.
- 3. Fraud and Corruption**
- 3.1 The AFD requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Appendix 1 to the SCC.
- 4. Interpretation**
- 4.2 If the context so requires it, singular means plural and vice versa.
- 4.3 Incoterms
- (a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms;
 - (b) The terms CIP and other similar terms, when used, shall be governed by the rules prescribed in current edition of Incoterms specified in the SCC and published by International Chamber of Commerce in Paris, France.
- 4.4 Entire Agreement
- The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the

- date of Contract.
- 4.5 **Amendment**
No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.
- 4.6 **Nonwaiver**
- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract;
- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.
- 4.7 **Severability**
If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect validity or enforceability of any other provisions & conditions of the Contract.
5. **Language**
- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the **SCC**. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- 5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.
6. **Joint Venture, Consortium or Association**
- 6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.
7. **Eligibility**
- 7.1 All Goods and Related Services to be supplied under the Contract and financed by the AFD shall have their origin in any eligible source as specified in the **SCC**. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
8. **Notices**
- 8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the **SCC**. The term "in writing" means communicated in written form with proof of receipt.
- 8.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
9. **Governing Law**
- 9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Purchaser's Country, unless otherwise specified in the **SCC**. Under the jurisdiction of Gauhati High court in the District of Kamrup Metropolitan in the State of Assam.
10. **Settlement of Disputes**
- 10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence

arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.

- 10.3 Notwithstanding any reference to arbitration herein,
- (a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) The Purchaser shall pay the Supplier any monies due the Supplier.
- 11. Inspections and Audit by the AFD**
- 11.1 The Supplier shall keep and shall make all reasonable efforts to cause its Subcontractors to keep accurate and systematic accounts and records, in respect of the Goods in such form and details as will clearly identify relevant time changes and costs.
- 11.2 The Supplier shall permit, and shall cause its Subcontractors and consultants to permit, the AFD and/or persons appointed by the AFD to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the AFD if requested by the AFD.
- 12. Scope of Supply**
- 12.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.
- 13. Delivery and Documents**
- 13.1 Subject to GCC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC**.
- 14. Supplier's Responsibilities**
- 14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 12, and the Delivery and Completion Schedule, as per GCC Clause 13.
- 15. Contract Price**
- 15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the **SCC**.
- 16. Terms of Payment**
- 16.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the **SCC**.
- 16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 13 and upon fulfillment of all other obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Purchaser, but in no case later than ninety (90) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.
- 16.4 The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the bid price is expressed.
- 16.5 In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC**, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the **SCC**, for the period of delay until payment has been made in full, whether before or after judgment or arbitrage award.
- 17. Taxes and Duties**
- 17.1 For goods manufactured outside the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's Country.
- 17.2 For goods manufactured within the Purchaser's country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- 17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the Purchaser's Country as specified in the **SCC**, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the

- maximum allowable extent.
- 18. Performance Security**
- 18.1 The Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.
- 18.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 18.3 The Performance Security shall be denominated in the currency(ies) of the Contract, or in a freely convertible currency acceptable to the Purchaser; and shall be in one of the format stipulated by the Purchaser in the **SCC**, or in another format acceptable to the Purchaser.
- 18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.
- 19. Copyright**
- 19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.
- 20. Confidential Information**
- 20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 20.
- 20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.
- 20.3 The obligation of a party under GCC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:
- (a) The Purchaser or Supplier need to share with the AFD or other institutions participating in the financing of the Contract;
 - (b) Now or hereafter enters the public domain through no fault of that party;
 - (c) Can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - (d) Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 20.4 The above provisions of GCC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 20.5 The provisions of GCC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.
- 21. Subcontracting**
- 21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
- 21.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.
- 22. Specifications and Standards**
- 22.1 Technical Specifications and Drawings
- (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in

Section VII, Schedule of Requirements and, when no applicable standard is mentioned, standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin;

- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser;
- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 33.

23. Packing and Documents

- 23.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their named place of destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' named place of destination and the absence of heavy handling facilities at all points in transit.
- 23.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the **SCC**, and in any other instructions ordered by the Purchaser.

24. Insurance

- 24.1 Unless otherwise specified in the **SCC**, the Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the **SCC**.

25. Transportation

- 25.1 Unless otherwise specified in the **SCC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 25.2 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in **SCC**:
 - (a) Performance or supervision of on-site assembly and/or start-up of the supplied Goods;
 - (b) Furnishing of tools required for assembly and/or maintenance of the supplied Goods;
 - (c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
 - (d) Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
 - (e) Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- 25.3 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

26. Inspections and Tests

- 26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **SCC**.
- 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, and/or at the Goods' named place of destination, or in another place in the Purchaser's Country as specified in the **SCC**. Subject to GCC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to

drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

- 26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
- 26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications, codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 26.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 26.4.
- 26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor issue of any report pursuant to GCC Sub-Clause 26.6, shall release Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

- 27.1 Except as provided under GCC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the **SCC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those **SCC**. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.

28. Warranty

- 28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 28.2 Subject to GCC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of named place of destination.
- 28.3 Unless otherwise specified in the **SCC**, the comprehensive maintenance contract shall remain valid for thirty-six (36) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the named place of destination indicated in the **SCC**, or for forty-two(42) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.
- 28.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the

Supplier to inspect such defects.

28.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **SCC**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **SCC**, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

29. Patent Indemnity

29.1 The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

(a) The installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and

(b) The sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

29.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.

29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

29.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

30. Limitation of Liability

30.1 Except in cases of criminal negligence or willful misconduct,

(a) The Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and

(b) The aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement

31. Change in

31.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to

- Laws and Regulations**
- date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Purchaser's country where the Site is located (which shall be deemed to include any change in interpretation or application by competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 15.
- 32. Force Majeure**
- 32.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 33. Change Orders and Contract Amendments**
- 33.1 The Purchaser may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
- (a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
 - (b) The method of shipment or packing;
 - (c) The place of delivery; and
 - (d) The Related Services to be provided by the Supplier.
- 33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.
- 33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
- 33.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 34. Extensions of Time**
- 34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 13, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 34.2 Except in case of Force Majeure, as provided under GCC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to

GCC Clause 27, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.

- 35. Termination**
- 35.1 Termination for Default
- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
- (i) If the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 34;
- (ii) If the Supplier fails to perform any other obligation under the Contract; or
- (iii) If the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract.
- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.
- 35.2 Termination for Insolvency
- (a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to Purchaser.
- 35.3 Termination for Convenience
- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective;
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
- (i) To have any portion completed and delivered at the Contract terms and prices; and/or
- (ii) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.
- 36. Assignment**
- 36.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.
- 37. Export Restriction**
- 37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Purchaser, to the country of the Purchaser, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Purchaser and of the AFD that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Purchaser's convenience pursuant to Sub-Clause 35.3.

Section IX- Special Conditions of Contract	
GCC 1.1(i)	The Purchaser's country is: <i>India</i>
GCC 1.1(j)	The Purchaser is: Assam Project on Forest and Biodiversity Conservation Society (APFBCS)
GCC 1.1 (o)	The Project Site(s)/Named Place of Destination(s) is/are: Project Director, Project Management Unit, Assam Project on Forest and Biodiversity Conservation Society (APFBCS) Address: Aranya Bhawan, Panjabari, Guwahati – 781037 (Assam), India Telephone: +91-361-2733917. Electronic mail address: pd@apfbc.in
GCC 4.2	The meaning of the trade terms shall be as prescribed by Incoterms. The version edition of Incoterms shall be Incoterms 2010. However, the definition of the place and date associated with “delivery” is modified as follows: (a) Under “CIP” Incoterms defines “delivery” as the place and date where risk transfers from the seller to the buyer/purchaser. (b) In these Bidding Documents, when using “CIP” and not referring to the transfer of risk, the term “delivery” shall be interpreted as the date and place where the Goods and Related Services arrive at the named place of destination, and this date shall be reflected in the Delivery and Completion Schedule.
GCC 5.1	The governing and communication language shall be English
GCC 7.1	Goods and services from countries under embargo from France, the European Union or the United Nations are not eligible.
GCC 8.1	For notices , the Purchaser's address shall be: Attention: Project Director, Project Management Unit, Assam Project on Forest and Biodiversity Conservation Society (APFBCS) Address: Aranya Bhawan, Panjabari, Guwahati – 781037 (Assam), India Telephone: +91-361-2733917. Electronic mail address: pd@apfbc.in
GCC 9.1	The governing law shall be the law of: India
GCC 10.2	The rules of procedure for arbitration proceedings pursuant to GCC Clause 10.2 shall be as follows: <i>“Clause 10.2 (a) shall be retained in the case of a Contract with a foreign Supplier and clause 10.2 (b) shall be retained in the case of a Contract with a national of the Purchaser's country.”</i> (a) Contract with foreign Supplier: <i>If the Purchaser chooses the UNCITRAL Arbitration Rules, the following sample clause should be inserted:</i> GCC 10.2—Any dispute, controversy or claim arising out of or relating to this Contract, or breach, termination or invalidity thereof, shall be settled by arbitration in accordance with the UNCITRAL Arbitration Rules as at present in force. <i>If the Purchaser chooses the Rules of ICC, the following sample clause should be inserted:</i> GCC 10.2—All disputes arising in connection with the present Contract shall be finally settled under the Rules of Conciliation and Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with said Rules. (b) Contracts with Supplier national of the Purchaser's country: In the case of a dispute between the Purchaser and a Supplier who is a national of the Purchaser's country, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Purchaser's country.
GCC 13.1	For Goods supplied from abroad: Upon shipment, the Supplier shall notify the Purchaser and the Insurance Company by cable or by electronic way previously agreed between parties the full details of the shipment, including Contract number, description of Goods, quantity, the mode of transport, the bill of lading number and date, place of loading, date of shipment, place of discharge, etc. The Supplier shall mail the following documents to the Purchaser, with a copy to the Insurance Company: (i) Copies of the Supplier's invoice showing Goods' description, desired specification,

	<p>quantity, unit price, and total amount;</p> <ul style="list-style-type: none"> (ii) Original and <u>two</u> copies of the negotiable, clean, on-board bill of lading marked “freight prepaid” and <u>two</u> copies of non-negotiable bill of lading; (iii) Copies of the packing list identifying contents of each package; (iv) Insurance certificate; (v) Manufacturers Authorization and Supplier’s warranty certificate; (vi) Inspection certificate, issued by the nominated inspection agency, and the Supplier’s factory inspection report; and (vii) Certificate of origin. <p>The above documents shall be received by the Purchaser at least one week before arrival of the Goods at the place of arrival and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p>For Goods from within the Purchaser’s country:</p> <p>Upon delivery of the Goods to the transporter, the Supplier shall notify the Purchaser and mail the following documents to the Purchaser:</p> <ul style="list-style-type: none"> (i) Copies of the Supplier’s invoice showing Goods’ description, desired specification, quantity, unit price, and total amount; (ii) Delivery note, railway receipt, or truck receipt; (iii) Manufacturers Authorization and Supplier’s warranty certificate; (iv) Insurance certificate; (v) Inspection certificate issued by the nominated inspection agency, and the Supplier’s factory inspection report; and (vi) Certificate of origin. <p>The above documents shall be received by the Purchaser before arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>
<p>GCC 15.1</p>	<ol style="list-style-type: none"> 1. The prices charged for the Goods supplied and the related Services performed “shall not” be adjustable. 2. The Bidder must demonstrate that it will have suitably qualified key personnel as per the requirements of the proposed system. 3. All manpower/resources, provided by the selected Bidder, shall be paid in equated quarterly installments (inclusive of GST), as per the original “<i>Related Services</i>” aspect (to be specifically referred to as a separate line item in pricing schedule) 4. All resources utilization and retention will be wholly dependent on quarterly reviews/appraisals as conducted by the Purchaser. 5. Invoices for the resources/manpower are to be submitted with quarterly bills to the Purchaser. 6. Analysts to be deployed at site (Guwahati, Assam) on continuous basis 7. Manpower to be deployed by the Supplier as per working days of the Government of Assam. 8. Normal working hours are 9 am to 6 pm, but during certain times, hours may be extended on exigency. 9. Review of activities and engagement of the supplier to be appraised quarterly to determine the continuation of the manpower services contract. 10. Replacement of manpower/resource whenever asked by Lab-in-Charge/APFBCS/Forest Department, for any reason. 11. Such replacement to be provided within 5 working days. 12. APFBCS reserves the right to cancel contract in case of consecutive sub-par performance by the replacements 13. Payments to be disbursed on invoices generated quarterly by the Supplier. 14. The invoices shall be prepared, based on monthly timesheets signed by Lab-in-Charge. 15. In regard to AMC/CMC items, the payment for the same will be payable after the issuance of operational acceptance certificate by the Purchaser in equal quarterly instalments at the end of each quarter as per the rates quoted in the Price Schedules and on submission of relevant supporting documents and certification of satisfactory service provided during the quarter. <p>Note: Documents to be submitted along with the invoice per above, under GCC 13.1 and -</p> <ol style="list-style-type: none"> 1. Approved timesheets of the manpower being supplied by the Purchaser inclusive of GST, on a monthly basis.

GCC 16.1	<p>GCC 16.1- The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>Payment for Goods supplied from abroad:</p> <p>Payment of foreign currency portion shall be made in Rupees <u>INR</u> in the following manner:</p> <ul style="list-style-type: none"> (i) Advance Payment: Ten (10%) percent of the Contract Price, excluding CMC/AMC (as applicable), shall be paid post signing of the Contract against a simple receipt and a bank guarantee for the equivalent amount and in the form provided in the bidding documents or another form acceptable to the Purchaser. (ii) On Delivery: Fifty (50%) percent of the Contract Price, excluding CMC/AMC, shall be paid after the Purchaser certified successful installation of all the IT components (Supply as per specifications + Installation + Testing + Commissioning to the satisfaction of the Purchaser's representative) and on submission of the supporting documents specified in GCC Clause 13. (iii) Final Payment: The remaining Forty (40%) percent, excluding CMC/AMC, shall be paid within 30 days after 3 months of issuance of operational acceptance certificate by the Purchaser on the receipt of positive feedback issued by the Lab-in-Charge or any other agency engaged for testing the desired operational effectiveness of the system. <p>Payment of local currency portion shall be made in INR Rupees within thirty (30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed.</p> <p>Payment for Goods supplied from within the Purchaser's country:</p> <p>Payment for Goods supplied from within the Purchaser's country shall be made in INR Rupees, as follows:</p> <ul style="list-style-type: none"> (iv) Advance Payment: Ten (10%) percent of the Contract Price, excluding CMC/AMC (as applicable), shall be paid post signing of the Contract against a simple receipt and a bank guarantee for the equivalent amount and in the form provided in the bidding documents or another form acceptable to the Purchaser. (v) On Delivery: Fifty (50%) percent of the Contract Price, excluding CMC/AMC, shall be paid after the Purchaser certified successful installation of all the IT components (Supply as per specifications + Installation + Testing + Commissioning to the satisfaction of the Purchaser's representative) and on submission of the supporting documents specified in GCC Clause 13. (vi) Final Payment: The remaining Forty (40%) percent, excluding CMC/AMC, shall be paid within 30 days after 3 months of issuance of operational acceptance certificate by the Purchaser on the receipt of positive feedback issued by the Lab-in-Charge or any other agency engaged for testing the desired operational effectiveness of the system.
GCC 16.1	<p>Payment to the Supplier of the amounts due in each currency shall be made into the following bank accounts:</p> <p>[insert bank account details at the time of contract signing]</p>
GCC 16.5	<p>The payment-delay period after which the Purchaser shall pay interest to the supplier shall be 90 days.</p> <p>The interest rate for payments in local currency that shall be applied is 4%.</p>
GCC 17.3	<p>The following taxes, duties and fees exemptions apply to the Contract: NA</p>
GCC 18.1	<p>The amount of the Performance Security shall be: 10% percentage of the Accepted Contract Amount in the same currency(ies) of the Accepted Contract Amount.</p>
GCC 18.3	<p>The Performance Security shall be in the form of: "a Bank Guarantee"</p> <p>The Performance security shall be denominated in "the currencies of payment of the Contract, in accordance with their portions of the Contract Price"</p>
GCC 23.2	<p>The packing, marking and documentation within and outside the packages shall be: clearly labeled marked with consignment note and delivery advice along with special handling instruction, if any.</p>
GCC 24.1	<p>The insurance coverage shall be as specified in the Incoterms.</p>
GCC 25.1	<p>Responsibility for transportation of the Goods shall be as specified in the Incoterms.</p> <p>If not in accordance with Incoterms, responsibility for transportations shall be as follows:</p> <p><i>"The Supplier is required under the Contract to transport the Goods to Guwahati, Assam, India;</i></p>

	<i>including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price”; or any other agreed upon trade terms (specify the respective responsibilities of the Purchaser and the Supplier).</i>
GCC 25.2	Incidental services to be provided are: included in ‘List of Related Services and Completion Schedule’.
GCC 26.1	The inspections and tests shall be: as specified in ‘Inspections and Tests’.
GCC 26.2	The Inspections and tests shall be conducted at the site specified by the purchaser.
GCC 27.1	The liquidated damage shall be: 0.5% of the invoice amount against the deliverables per Day for late delivery of each expected Deliverable shall be due by the Consultant as Delay Damages
GCC 27.1	The maximum amount of liquidated damages shall be: 0.5% (zero point five percent) per week and maximum 10% (ten percent) of the final Contract Price. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 35.
GCC 28.3	The period of validity of the Comprehensive Maintenance Contract shall be included in Technical Specification.
GCC 28.5 and GCC 28.6	Service Standards: The period of time for repair or replacement shall be: Minor Repair - < 2 days Major Repair - < 10 days Replacement of hardware/devices/furniture - < 15 days

APPENDIX-1 to Special Conditions of Contract - Corrupt and Fraudulent Practices Policy and Social and Environmental Responsibility

1. Corrupt and Fraudulent Practices

The Contracting Authority and the suppliers, contractors, subcontractors, consultants or subconsultants must observe the highest standard of ethics during the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.

By signing the Statement of Integrity the suppliers, contractors, subcontractors, consultants or subconsultants declare that (i) "it did not engage in any practice likely to influence the contract award process to the Contracting Authority's detriment, and that it did not and will not get involved in any anti-competitive practice", and that (ii) "the procurement process and the performance of the contract did not and shall not give rise to any act of corruption or fraud".

Suppliers, contractors, subcontractors, consultants or subconsultants will permit AFD to inspect their accounts and records relating to the procurement process and performance of the AFD-financed contract, and to have them audited by auditors appointed by AFD.

The AFD reserves the right to take any action it deems appropriate to check that these ethics rules are observed and reserves, in particular, the rights to:

- a) Reject a proposal for a contract award if it is established that during the selection process the bidder or consultant that is recommended for the award has been convicted of corruption, directly or by means of an agent, or has engaged in fraud or anti-competitive practices in view of being awarded the Contract;
- b) Declare misprocurement when it is established that, at any time, the Contracting Authority, the suppliers, contractors, subcontractors, consultants or subconsultants their representatives have engaged in acts of corruption, fraud or anti-competitive practices during the procurement process or performance of the contract without the Contracting Authority having taken appropriate action in due time satisfactory to AFD to remedy the situation, including by failing to inform AFD at the time they knew of such practices.

AFD defines, for the purposes of this provision, the terms set forth below as follows:

- a) Corruption of a Public Officer means:
 - The act of promising, offering or giving to a Public Officer, directly or indirectly, an undue advantage of any kind for himself or for another Person¹ or entity, for such Public Officer to act or refrain from acting in his official capacity; or
 - The act by which a Public Officer solicits or accepts, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity.
- b) A Public Officer shall be construed as meaning:
 - Any person who holds a legislative, executive, administrative or judicial mandate (within the country of the Contracting Authority) regardless of whether that natural Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the natural Person occupies;
 - Any other natural Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service;
 - Any other natural Person defined as a Public Officer by the national laws of the country of the Contracting Authority.
- c) Corruption of a Private Person² means:
 - The act of promising, offering or giving to any Private Person, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Private Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations; or;

¹ Means any Person whether natural or legal, firm, company, corporation, government, state or state agency or any association, or group of two or more of the foregoing (whether or not having separate legal status).

² Means any natural Person other than a Public Officer.

- The act by which any Private Person solicits or accepts, directly or indirectly, an undue advantage of any kind for himself or for another Person or entity, for such Private Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations.
- d) Fraud means any dishonest conduct (act or omission), whether or not it constitutes a criminal offence, deliberately intended to deceive others, to intentionally conceal items, to violate or vitiate consent, to circumvent legal or regulatory requirements and/or to violate internal rules in order to obtain illegitimate profit.
- e) Anti-competitive practices mean:
 - Any concerted or implied practices which have as their object or effect the prevention, restriction or distortion of competition within a marketplace, especially where they (i) limit access to the marketplace or free exercise of competition by other undertakings, (ii) prevent free, competition-driven price determination by artificially causing price increases or decreases, (iii) restrict or control production, markets, investments or technical progress; or (iv) divide up market shares or sources of supply;
 - Any abuse by one undertaking or a group of undertakings which hold a dominant position on an internal market or on a substantial part of it;
 - Any practice whereby prices are quoted or set unreasonably low, the object of which is to eliminate an undertaking or any of its products from a market or to prevent it from entering the market.

2. Social and Environmental Responsibility

In order to promote sustainable development, AFD seeks to ensure that internationally recognized environmental and social standards are complied with. Suppliers, contractors, subcontractors, consultants or subconsultants for AFD-financed contracts shall consequently undertake in the Statement of Integrity to:

- a) Comply with and ensure that all their subcontractors or subconsultants comply with international environmental and labour standards, consistent with applicable law and regulations in the country of implementation of the contract, including the fundamental conventions of the International Labour Organization (ILO) and international environmental treaties;
- b) Implement environmental and social risks mitigation measures when specified in the environmental and social management plan (ESMP) provided by the Contracting Authority.

Section X - Contract Forms

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Letter of Acceptance

[Letterhead paper of the Employer]

Date: _____ *[Insert Date]*

To: _____ *[Name and address of the Contractor]*

Subject: **Notification of Award Contract No.** _____

This is to notify you that your Bid dated _____ *[Insert date]* for execution of the _____ *[name of the Contract and identification number, as given in the SCC]* for the Contract Price _____ *[amount in numbers and words] [name of currency]*, as corrected and modified in accordance with the Instructions to Bidders, is hereby accepted by our institution.

You are requested to furnish the Performance Security within 28 days in accordance with the Conditions of Contract, using for that purpose the Performance Security Form included in Section X, Contract Forms, of the Bidding Documents.

Authorized Signature: _____

Name and Title of Signatory: _____

Name of institution: _____

Attachment: Contract Agreement

Contract Agreement

THIS AGREEMENT made the _____ day of _____, _____, between _____ of _____ (hereinafter "**the Purchaser**"), of the one part, and _____ of _____ (hereinafter "**the Supplier**"), of the other part:

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of *[insert Contract Price in words and figures, expressed in the Contract currency(ies)]* (hereinafter called "**the Contract Price**").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - a) The Letter of Acceptance;
 - b) The Bid Submission Form and Appendix to Bid Submission Form (including the signed Statement of Integrity);
 - c) The addenda Nos _____ (if any);
 - d) Special Conditions of Contract;
 - e) General Conditions of Contract;
 - f) The Specifications (including Schedule of Requirements and Technical Specifications);
 - g) The Bidding Forms (including Price Schedules);
 - h) Any other document listed in GCC as forming part of the contract.
3. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
4. In consideration of the payments to be made by the Purchaser to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of _____ on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed: *[insert signature]*

In the capacity of *[insert title or other appropriate designation]*

In the presence of *[insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier]*

In the capacity of *[insert title or other appropriate designation]*

In the presence of *[insert identification of official witness]*

Performance Security

Demand guarantee

Beneficiary: _____

Date: _____

PERFORMANCE GUARANTEE No.: _____

Guarantor: _____

We have been informed that *[insert name of Supplier, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[insert reference number of the contract]* dated *[insert date]* with the Beneficiary, for the supply of *[insert name of contract and brief description of Goods and related Services]* (hereinafter called "the Contract"). Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]* *[insert amount in words]*,¹ such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's first demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the Day of, 2...², and any demand for payment under it must be received by us at this office indicated above on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.

_____ *[Signature]*

[Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.]

¹The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance and denominated either in the currency (ies) of the Contract or a freely convertible currency acceptable to the Beneficiary.

²Insert the date twenty-eight days after the expected completion dates described in GC Clause 18.4. The Purchaser should note that in the event of an extension of this date for completion of the Contract, the Purchaser would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Purchaser might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months]* *[one year]*, in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

Advance Payment Security

Demand Guarantee

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: _____

Date: _____

ADVANCE PAYMENT GUARANTEE No.: _____

Guarantor: _____

We have been informed that _____ (hereinafter called "the Applicant") has entered into Contract No. _____ dated _____ with the Beneficiary, for the execution of _____ (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum [insert amount in figures] (_____) [insert amount in words] is to be made against an advance payment guarantee.

At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of [insert amount in figures] () [insert amount in words]¹ upon receipt by us of the Beneficiary's first demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:

- (a) Has used the advance payment for purposes other than toward delivery of Goods; or
- (b) Has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.

A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above has been credited to the Applicant on its account number [insert number] at [insert name and address of Applicant's bank].

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, has been certified for payment, or on the [insert date¹], whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No.758.

[signature(s)]

Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.

¹The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Purchaser.

¹ Insert the Delivery date of the Goods at the named place of destination stipulated in the Contract Delivery Schedule. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: "We agree to a one-time extension of this Guarantee for a period not to exceed [six months] [one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."